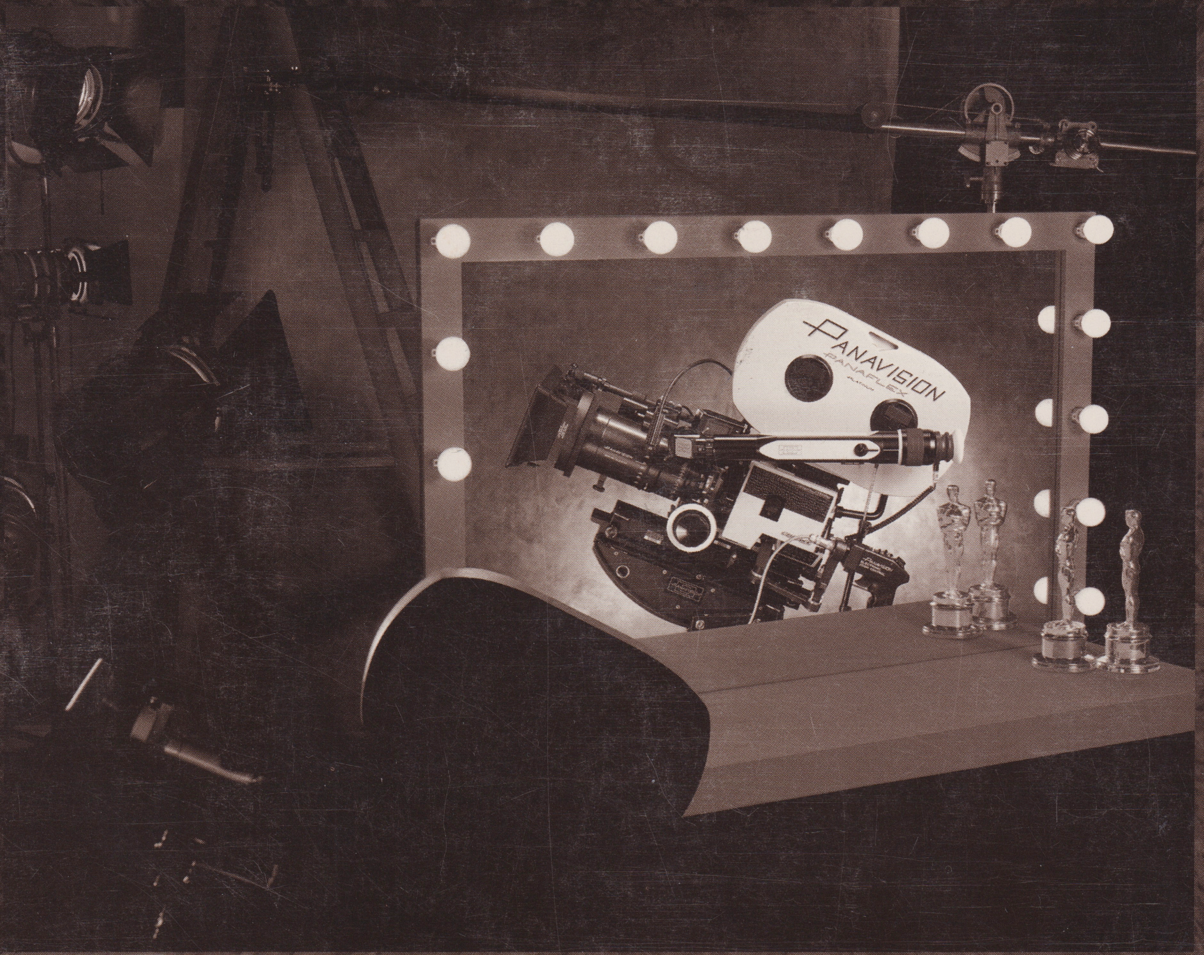

PANAVISION
PANAFLEX

"Oscar"© statuette A.M.P.A.S.©

PANAVISION®

40 YEARS OF EXCELLENCE
MAY '94

OSCARS®

1978
Academy Award of Merit

to Panavision
for the concept, design and continuous development
of the Panaflex Motion Picture Camera System

1993
Academy Award of Merit

to Panavision
for the Auto Panatar
Anamorphic Photographic Lens

©A.M.P.A.S.®

AWARDS FOR BEST CINEMATOGRAPHY

1994 International Awards

FRANCE ◆ CESAR AWARD

GERMINAL

Yves Angelo
Panaflex Cameras

SPAIN ◆ GOYA AWARD

EL PAJARO DE LA FELICIDAD

Jose Luis Alcaine, A.E.C.
Panaflex Cameras, Primo Lenses

Academy Awards

1992

A RIVER RUNS THROUGH IT

Philippe Rousselot, A.F.C.
Panaflex Cameras, Primo Lenses

1991

JFK

Robert Richardson, A.S.C.
Panaflex Cameras, Anamorphic Lenses

1990

DANCES WITH WOLVES

Dean Semler, A.C.S.
Panaflex Cameras, Anamorphic Lenses

1989

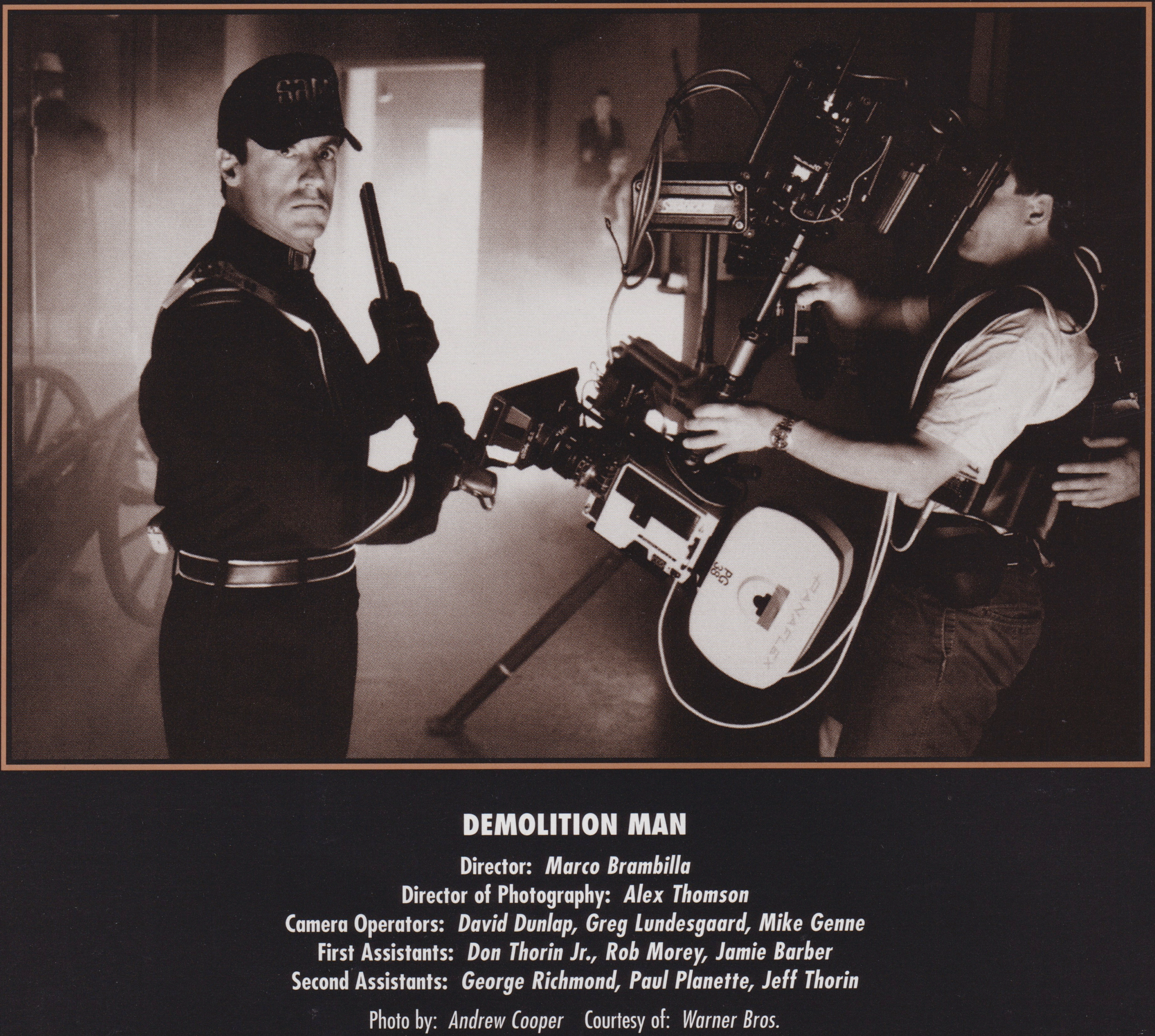
GLORY

Freddie Francis, B.S.C.
Panaflex Cameras, Spherical Lenses

1988

MISSISSIPPI BURNING

Peter Biziou, B.S.C.
Panaflex Cameras, Spherical Lenses



DEMOLITION MAN

Director: *Marco Brambilla*
Director of Photography: *Alex Thomson*
Camera Operators: *David Dunlap, Greg Lundesgaard, Mike Genne*
First Assistants: *Don Thorin Jr., Rob Morey, Jamie Barber*
Second Assistants: *George Richmond, Paul Planette, Jeff Thorin*

Photo by: *Andrew Cooper* Courtesy of: *Warner Bros.*

Dear Panavision Customer:

1994 got off to a shaky start. Our Tarzana facility suffered heavy earthquake damage. Thanks to the efforts of our staff at Tarzana, we were back in operation on the camera rental floor within two days. We are proud of that commitment to Panavision.

1994 also marks the 40th anniversary of Panavision. During this year of celebration, Panavision will continue its tradition of excellence in its products and camera services. To remain in the forefront of our industry, Panavision recently remodeled its Tarzana Research and Development and Manufacturing facilities to accommodate the development of additional programs designed to increase the Panavision line of cameras and lenses.

In 1994, we will be concentrating our efforts in the PRIMO Zoom Program. As most of you are aware, these new Zooms are truly revolutionary, performing every bit as well as the PRIMO Prime Lenses. The program began with the 17.5–75mm T2.3. We are currently in production with the 11:1 T2.8 Close Focus 24–275mm Zoom (34–385mm T4 with extender). In April, we began production with the 3:1 T2.8 Close Focus 135–420mm Zoom (190–595mm T4 with extender). This lens performs beyond any Prime lens you have previously experienced between 135–600mm.

Handheld and Steadicam work seems to be more and more popular. Therefore, we have launched a new Lightweight Zoom Lens for handheld and Steadicam use. This is a 27–68mm T2.8 lens weighing less than most small Prime lenses.

1993 saw further growth of the anamorphic format. We provided more anamorphic shows than any year in Panavision's history. This trend is still continuing in 1994. As a result of this, we have gone back into production and are building more E Series and PRIMO Anamorphics. Please let us know as soon as you can if you decide on this format so we can reserve your equipment.

We were very honored this year to have received an Academy Award Oscar for our work with anamorphic lenses. The staff of Panavision would like to thank the Governors of the Scientific and Technical Awards Committee and the Academy for this recognition.

Our 40th year will herald the introduction of many other new products which are not included in this catalog. As always, we hope you will keep in touch so we can keep you apprised of new developments, or visit our facility and join us in celebrating Panavision's 40th.

Thank you for your support throughout 1993, as well as the input and inspiration you have given Panavision. We look forward to working with you again in 1994.

Sincerely,

John S. Farrand

President
Chief Executive Officer

Important Information

We at Panavision are pleased to provide you with our latest North American rental equipment price list. This new catalog supersedes all others and is effective **May 1, 1994**.

Panavision can only release equipment after the customary rental contract has been properly executed and the necessary insurance has been secured by the customer. We suggest that your key people become familiar with the terms of our Rental Agreement, which outlines a schedule for the shipping/return of equipment, replacement procedures and other production related information.

We suggest that you coordinate your equipment needs to reduce delivery or pickup charges. There is a $75.00 charge for each delivery or pickup within a 20 mile radius of Panavision; beyond 20 miles, an additional two dollars per mile is charged for all rental equipment regardless of size or amount. If you plan to use your own transportation, please advise us when placing your order. All shipping outside of Los Angeles will be handled through a Freight Forwarder.

Any equipment returned after 10:00 a.m. is subject to billing for that day.

The use of Panavision cameras and lenses ***requires*** specific print and screen credits which are detailed in the Rental Agreement. Camera ready art for credits will be provided for your convenience.

Please note: Panavision reserves the right to change equipment prices without notice.

All prices in U.S. Dollars.

Thank you,

Your Friends at Panavision

Shipping and Receiving Basics

1. Shipping and receiving hours are 7:00 a.m. to 6:00 p.m., Monday through Friday. Our 24 hour emergency number is 1-800-367-7262.

2. We ship via freight forwarders. We will make pickups and deliveries to LAX or Burbank airports when special circumstances require so. Please make these arrangements with the shipping department.

3. Equipment received before 10:00 a.m. is not billable for that day. Equipment received after 10:00 a.m. will be billed for the entire day.

4. If your camera assistant is going to be present during the receiving of your order, please let the receiving department know in advance so we can arrange to expedite this process.

5. We will be glad to order a freight container upon your request. We have a forklift available. One LD3 container will hold a typical two (2) camera package. Your assistant cameraman should be available for loading and unloading freight containers.

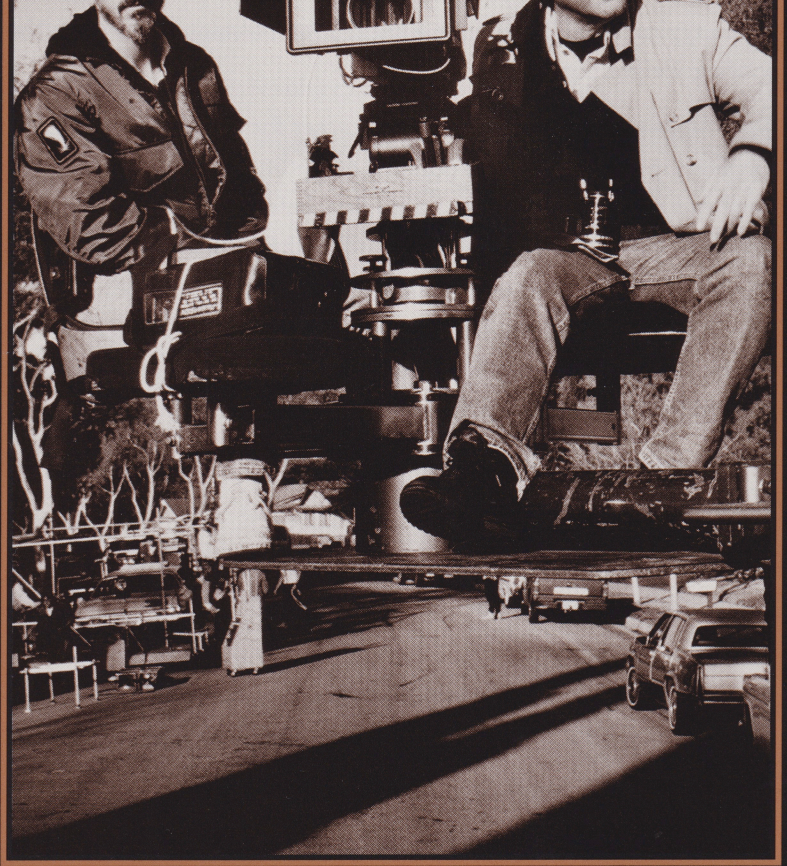
6. ***Out of the Country Shipments:*** We can generate a carnet for out of the country shipping. Please be aware that it takes five (5) working days to obtain a carnet in Los Angeles. Therefore we must have all equipment prepped and ready for shipment six (6) days before actual shipping time. The cost of a carnet is about $450.00. Carnets are the best method of shipping internationally to avoid high taxes and delays in customs. If you do your own shipping out of the country, we will provide you with a commercial invoice for our equipment. Certain items we rent must be registered before leaving the United States. Please allow an extra day for these shipments. Plan your schedule to allow for customs clearance which could take as long as a week in some countries.

7. Please make sure your *personal* equipment is covered under an insurance policy. We are unable to take responsibility for equipment other than our own.

8. All shipping arrangements should be made prior to your prep date. If you have any questions about shipping procedures, please contact the shipping department. We will be glad to assist you in any way we can.

9. To assure the proper shipping of equipment out of state, our shipping department should receive the equipment no later than 3:30 p.m. Shipments made after 3:30 p.m. may result in extra cost.

10. Additional helpful suggestions to assure smooth shipping and receiving of your equipment:
    - Please type all airway bills to assure proper verification of the number of cases shipped and received.
    - Include a packing slip when returning equipment. This will help identify any discrepancies that may have occurred during shipping.
    - When sending a driver for pickups or deliveries, advise them as to the proper name of the show and what they are picking up and delivering.
    - After placing an order for out of state shipping, *please ask to be transferred to the shipping department for verification of your current location. Please notify Panavision's shipping department of any changes in location.*



NATURAL BORN KILLERS

Director: ***Oliver Stone***
Director of Photography: ***Robert Richardson, A.S.C.***
First Assistant: ***Gregor Tavener***
Second Assistants: ***Amy Vincent, Keith Smith***

Photo by: *Sidney Baldwin* Courtesy of: *Warner Bros.*

THE FUGITIVE

Director: *Andrew Davis*
Director of Photography: *Michael Chapman*
Camera Operators: *Frank Miller, Steve St. John*
First Assistants: *Zoran Veselic, Steve Hiller*
Second Assistant: *Chris Collins*

Photo courtesy of: *Warner Bros.*

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....inside back cover

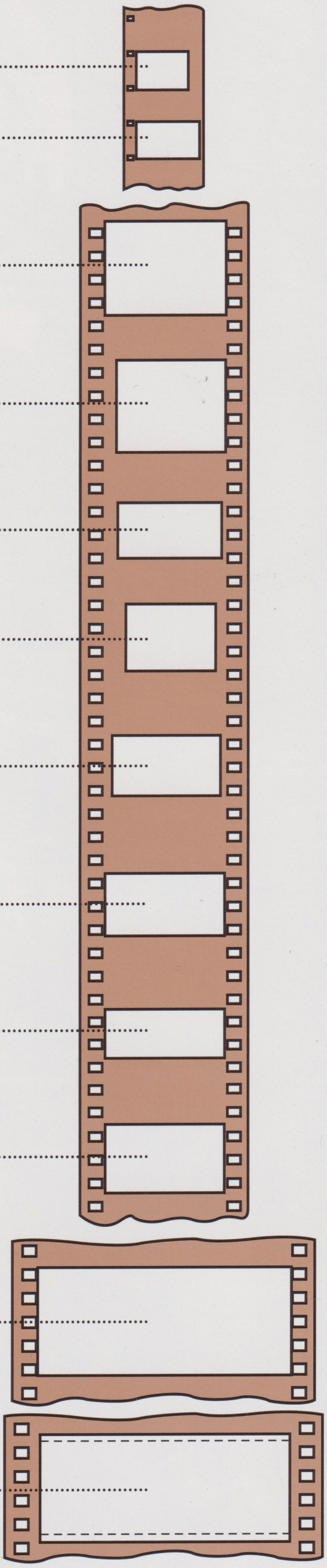
PANAVISION
PANAFLEX

LOVE AFFAIR

Director: *Glen Gordon Caron*
Director of Photography: *Conrad Hall, A.S.C.*
Camera Operator: *Conrad Hall, Jr.*
First Assistant: *Zoran Veselic*
Second Assistant: *Jeff Thorin*

Film Formats

INTENDED ASPECT RATIO	SIZE	DESCRIPTION
1.37 : 1	.404 X .295	Regular 16mm Camera Aperture
1.67 : 1	.493 X .295	Super 16mm Camera Aperture
ANY	.980 X .735	35mm Full Camera Aperture
2.40 : 1	.838 X .700	Anamorphic Projection Aperture
1.85 : 1	.825 X .446	35mm 1.85 : 1 Projection Aperture
1.33 : 1	.792 X .594	35mm TV Transmitted Area (SMPTE recommended practice)
	.713 X .535	35mm TV Safe Action
1.78 : 1	.945 X .531 HDTV	4-Perf Transmitted Area
1.85 : 1	.945 X .511	Super Panavision 35mm Extracted Area for 1.85 : 1 Projection
2.40 : 1	.945 X .394	Super Panavision 35mm Extracted Area for Anamorphic Projection
ANY	.980 X .546	Panavision 3-Perf 35mm Camera Aperture
1.78 : 1	.910 X .511 HDTV	3-Perf Transmitted Area
2.20 : 1	2.072 X .906	65mm Camera Aperture
2.20 : 1	1.912 X .870	70mm Projection Aperture (Panavision Super 70mm)
2.40 : 1	1.912 X .797	Extracted for 2x Projection



Camera Formats and Time Code

PANAVISION ANAMORPHIC 2.40:1

For more than 40 years, Panavision has stood at the forefront of anamorphic photography. After winning Academy Awards for the patented "Auto Panatar" series of lenses, Panavision continued to develop and improve on its anamorphic knowledge, designing the "C" and "E" series lenses, culminating in 1990 with the release of the Primo anamorphics. In 1994 we received a Class I Academy Award for the continued development of anamorphic lenses. Thus the term "Filmed in Panavision" has become synonymous with anamorphic photography, appearing on over 1,000 films.

3 PERF

3 perf cameras work by pulling down 3 perforations per frame rather than the conventional 4 perforations per frame.
Some of the advantages of 3 perf:

- Uses 25% less film (25% savings in cost of negative film, processing, etc.)
- 33⅓ % more running/shooting time per magazine (14.81 minutes versus 11.11 minutes per 1000'; 29.62 minutes per 2000')
- 340% larger negative area than 16mm in NTSC
- Only 26% smaller than 4 perf in NTSC
- Ideally suited for HDTV/1.78:1 format

PANAVISION SUPER 35

Super 35 is a format for shooting true full aperture, utilizing the entire camera negative area. This format provides the option of releasing a film in any of 3 formats: 70mm, 2x Anamorphic, and 1.85, without cropping any of the sides. The final decision can be made in post-production, as it does require an optical process. During principal photography, shooting Super 35 allows the cinematographer to use spherical lenses, allowing for a greater range of freedom in many areas.

For more information on shooting Super 35, please contact Panavision directly.

FPSP35	Super 35 *Available for conversion from standard 35mm format to Super 35mm format.*	162.00	54.00

TIME CODE

Panavision/Aaton Time Code system is a tool for automatically synchronizing camera negative and the production sound track.

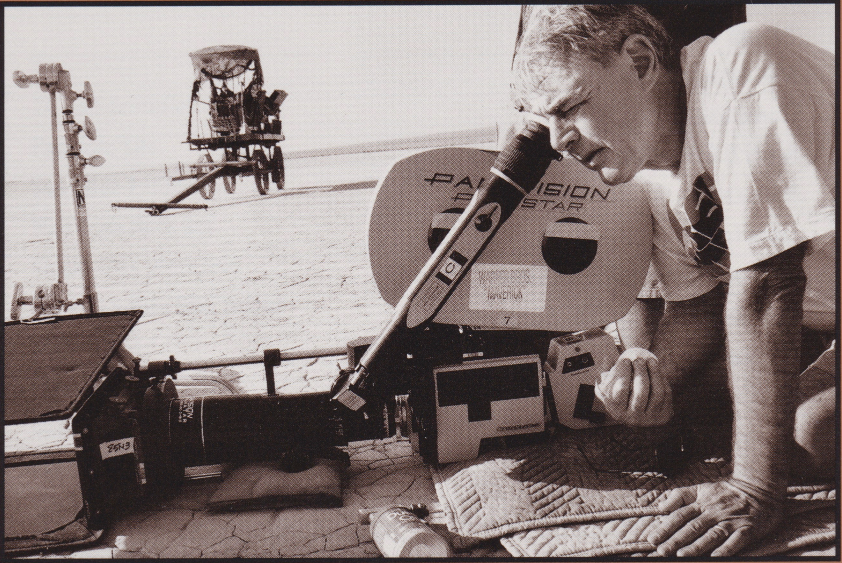
Every frame of film is "time stamped" with computer and human readable time code. A small on-set synchronizing clock links the camera time code with the sound recorder time code. In post-production, sound and picture can then be synced automatically without the necessity of slates. Current Panavision productions have voiced a savings on average of up to 8 hours of telescine time per/week/episode because of Panavision/Aaton Code.

		Weekly	*Daily*
PDTC-C	Panavision/AatonCode Clock *Synchronizes time code Nagra with time code generator.*	111.00	37.00
PDTG	Panavision/AatonCode Generator *Optically writes time code data on film.*	225.00	75.00

MAVERICK

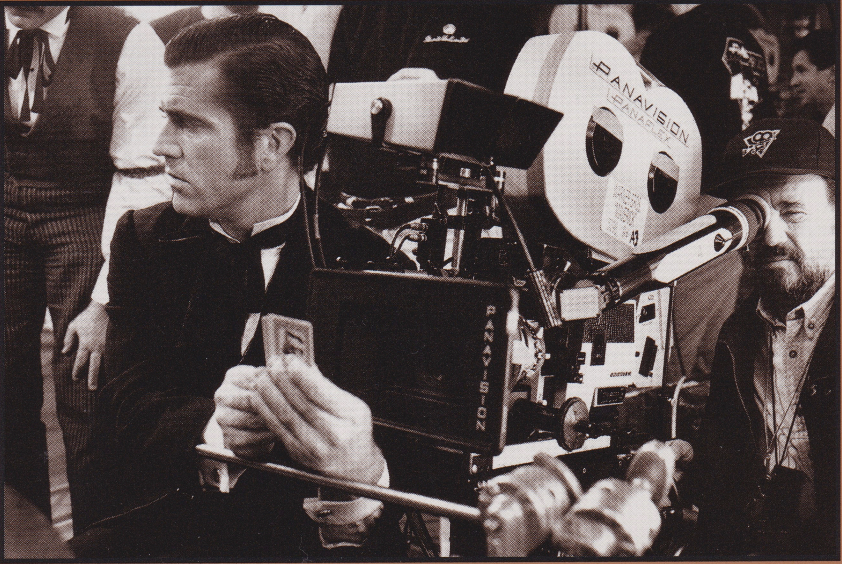
Director: ***Richard Donner***
Director of Photography: ***Vilmos Zsigmond, A.S.C.***
Camera Operators: ***Ray Del La Motte, Neil Norton***
First Assistants: ***Kenny Nishino, Mike Chavez***
Second Assistants: ***Dennis Seawright, Sean Landis, John O'Conner***

Photo by: *Andrew Cooper* Courtesy of: *Warner Bros., Garthorpe Inc.*


PANAVISION
PLATINUM STAR
WARNER BROS.
"MAVERICK"

MAVERICK

Photo by: *Andrew Cooper* Courtesy of: *Warner Bros., Garthorpe Inc.*


PANAVISION
PANAFLEX
PANAVISION

MAVERICK

Photo by: *Andrew Cooper* Courtesy of: *Warner Bros., Garthorpe Inc.*

Golden Panaflex Camera System

Crystal 24, 25, 30. Variable Speed 4-34, in-shot shutter adjustment 50-200 degrees. The standard of the industry.

Includes:			*Weekly*	*Daily*
	2	**24 volt Batteries**		
MB	1	Wide Angle Matte Box		
GG	1	Ground Glass (Panaglow)		
GFH	1	Box (12) Gelatin Filter Holders		
CBLE-24P	2	Power Cables		
PFF	1	Follow Focus Unit		
SB, MOV, SIL	1	Maintenance Kit with 4 Circuit Boards		
RHG	1	Right Hand Grip		
LHG	1	Left Hand Grip		
SR	1	Shoulder Rest		
IRISROD	3	Pairs of Iris Rods		
LRB	1	Long Iris Rod Bracket		
SRB	1	Short Iris Rod Bracket		
PCM/PCOB	1	Sliding Base Plate		
EPL	1	Eyepiece Leveler		
EPX	1	Extension Viewfinder		
EPP	1	Handheld Eyepiece		
EPH	1	Built-in Eyepiece Heater		
FFX	1	Follow Focus Extension Cable 12"		
CBLE-24H/P	2	Heater/Power Cables		
CBLE-EMRG	1	Emergency Cable		
FXHL	1	Speed Crank/L-Handle		
			1,050.00	350.00

Golden Panaflex GII Camera System

A redesigned and improved Golden Panaflex that retains all the best features of the Gold. The GII features a modified viewfinder system that is significantly brighter, both wide open and stopped down. The GII drive system reduces an already quiet camera's noise level by more than 35%.

Includes:			*Weekly*	*Daily*
	3	**24 volt Batteries**		
PLL	**1**	**Panalens Lite**		
FSE/MBF	**1**	**Sunshade Extension**		
MB	1	Wide Angle Matte Box		
GG	1	Ground Glass (Panaglow)		
GFH	1	Box (12) Gelatin Filter Holders		
CBLE-24P	2	Power Cables		
PFF	1	Follow Focus Unit		
SB, MOV, SIL	1	Maintenance Kit with 4 Circuit Boards		
RHG	1	Right Hand Grip		
LHG	1	Left Hand Grip		
SR	1	Shoulder Rest		
IRISROD	3	Pairs of Iris Rods		
LRB	1	Long Iris Rod Bracket		
SRB	1	Short Iris Rod Bracket		
PCM/PCOB	1	Sliding Base Plate		
EPL	1	Eyepiece Leveler		
EPX	1	Extension Viewfinder		
EPP	1	Handheld Eyepiece		
EPH	1	Built-in Eyepiece Heater		
FFX	1	Follow Focus Extension Cable 12"		
CBLE-24H/P	2	Heater/Power Cables		
CBLE-EMRG	1	Emergency Cable		
FXHL	1	Speed Crank/L-Handle		
			1,572.00	524.00
EPI		Medium Eyepiece	198.00	66.00

Bold = Added to package

Platinum Panaflex Camera System

The most advanced hand holdable motion picture camera in the world. 19db quiet, variable in-shot focal plane shutter 50–200 degrees, microprocessor monitoring all critical camera functions, full-fitting dual registration pins, crystal controlled in 1/10 frame stops at all speeds from 4 to 36 fps forward and reverse, and the brightest color corrected viewfinder available. External, variable Panaglow.

Includes:			*Weekly*	*Daily*
	3	**24 volt Batteries**		
PLL	**1**	**Panalens Lite**		
FSE/MBF	**1**	**Sunshade Extension**		
MB	1	Wide Angle Matte Box		
GG	1	Ground Glass (Panaglow)		
GFH	1	Box (12) Gelatin Filter Holders		
CBLE-24P	2	Power Cables		
PFF-P	1	Follow Focus Unit		
SB, MOV, SIL	1	Maintenance Kit with 3 Circuit Boards		
RHG	1	Right Hand Grip		
LHG	1	Left Hand Grip		
SRP	1	Shoulder Rest		
IRISROD	3	Pairs of Iris Rods		
LRB	1	Long Iris Rod Bracket		
SRB	1	Short Iris Rod Bracket		
PCM/PCOB	1	Sliding Base Plate		
EPL	1	Eyepiece Leveler		
EPX-P	1	Extension Viewfinder		
EPP	1	Handheld Eyepiece		
EPH	1	Built-in Eyepiece Heater		
FFX	1	Follow Focus Extension Cable 12"		
CBLE-24H/P	2	Heater/Power Cables		
CBLE-EMRG	1	Emergency Cable		
FXHL	1	Speed Crank/L-Handle		
			1,887.00	629.00

PM10	1000' Magazine with Digital Display	135.00	45.00
PRM10	1000' Reversing Magazine	189.00	63.00
EPI-P	Platinum Medium Eyepiece	198.00	66.00

Panaflex-X Camera System

The ideal television camera. All the quietness and most of the features of a Golden Panaflex. This camera is very successful shooting multicamera shows and is an ideal backup for either the Platinum Panaflex, GII or Golden Panaflex.

Includes:			*Weekly*	*Daily*
	2	**24 volt Batteries**		
MB	1	Wide Angle Matte Box		
GG	1	Ground Glass		
GFH	1	Box (12) Gelatin Filter Holders		
CBLE-24P	2	Power Cables		
PFF	1	Follow Focus Unit		
IRISROD	3	Pairs of Iris Rods		
LRB	1	Long Iris Rod Bracket		
SRB	1	Short Iris Rod Bracket		
SB, MOV, SIL	1	Maintenance Kit with 4 Circuit Boards		
PCM/PCOB	1	Sliding Base Plate		
CBLE-24H/P	2	Heater/Power Cables		
CBLE-EMRG	1	Emergency Cable		
			660.00	220.00

THE QUICK AND THE DEAD

Director: ***Sam Raimi***
Director of Photography: ***Dante Spinotti, A.I.C.***
Camera Operator: ***Gary Jay***
First Assistant: ***Bob Hall***
Second Assistant: ***Duane Manwiller***
Loader: ***Kelsey McNeil***
Photo by: *Murray Close* Courtesy of: *TriStar Pictures*

Bold = Added to package

Multicamera Package

The ideal television camera. All the quietness and most of the features of a Golden Panaflex. This camera is very successful shooting multicamera shows.

Includes:			*Weekly*	*Daily*
THE PANAFLEX-X CAMERA				
	2	**24 volt Batteries**		
PLL	**1**	**Panalens Lite**		
FSE/MBF	**1**	**Sunshade Extension**		
MB	1	Wide Angle Matte Box		
GG	1	Ground Glass		
GFH	1	Box (12) Gelatin Filter Holders		
CBLE-24P	2	Power Cables		
PFF	1	Follow Focus Unit		
IRISROD	3	Pairs of Iris Rods		
LRB	1	Long Iris Rod Bracket		
SRB	1	Short Iris Rod Bracket		
SB, MOV, SIL	1	Maintenance Kit with 4 Circuit Boards		
PCM/PCOB	1	Sliding Base Plate		
CBLE-24H/P	2	Heater/Power Cables		
CBLE-EMRG	1	Emergency Cable		
			660.00	220.00
CCD-X		Super CCD–B&W (Panaflex X) *Bright, high resolution, no lag, reduced flicker, auto/manual gain and iris.*	378.00	126.00
CCD-XC		Color Video	399.00	133.00
▲ PCV		Panavision Color Video *Flicker free at 24 and 30 fps, auto color balance, normal and boost gain, no filter, wide sensitivity range.*	993.00	331.00
M20		2000' Panaflex Magazine	177.00	59.00
M10		1000' Panaflex Magazine	129.00	43.00
PH-S		Super Panahead	378.00	126.00
PH		Panahead	357.00	119.00
Z5S		20/100mm Cooke Zoom	546.00	182.00
Z6S		20/120mm Angenieux Zoom	261.00	87.00
Z10S		25/250mm Cooke Zoom	546.00	182.00
APZS		25/250mm Angenieux Zoom	300.00	100.00
ZC		Spare Zoom Control	60.00	20.00
24GC17A		24 volt Gel Cell Battery with charger	66.00	22.00

A pellicle mirror, which offers a clear, flicker-free image, is available upon request. Note that although you lose ⅓ to ½ stop with this mirror, it allows more light to the viewfinder.

Super PSR and PSR Camera Systems

Ideal for 3 and 4 camera sitcoms.

Includes:			*Weekly*	*Daily*
MB	1	Wide Angle Matte Box		
MIT10	6	1000' Mitchell Magazines		
FSE	1	Sunshade Extension		
GG	1	Ground Glass		
M-PS	1	Panaspeed Motor (For PSR–36 volt)		
	2	Battery Complements (Four batteries with chargers)		
OB	1	Obie Light Bracket		
LBA	1	Obie Light Bracket Adapter		
CBLE-24P or CBLE-36P	2	Power Cables		
CBLE-ZLP	2	Zoom Lens Power Cables		
CBLE-PSR SYNC	2	Synchronizer Cables		
BELT	2	Spare Magazine Belts		
FFSP	2	Follow Focus Scale Plates		
LL	1	Lens Light Unit		
GFH	1	Box (12) Gelatin Filter Holders		
CBLE-24E or CBLE-36E	1	Extension Cable		
			426.00	142.00

		Weekly	Daily
PSRCCD	CCD Video Assist	396.00	132.00
MIT10	1000' Mitchell Magazine	21.00	7.00
M-PS	Panaspeed Motor (For PSR)	144.00	48.00
CBLE-PSRRS	Remote Switch Cable	15.00	5.00
PH-S	Super Panahead	378.00	126.00
Z5S	20/100mm Cooke Zoom	546.00	182.00
Z6S	20/120mm Angenieux Zoom	261.00	87.00
Z10S	25/250mm Cooke Zoom	546.00	182.00
APZS	25/250mm Angenieux Zoom	300.00	100.00
ZC	Spare Zoom Control	60.00	20.00
24GC17A	24 volt Gel Cell Battery with charger	66.00	22.00
BC24	24 volt Charger	39.00	13.00
36GC17	36 volt Gel Cell Battery	39.00	13.00
36LA30	36 volt Lead Acid Battery	39.00	13.00
BC36GC	36 volt Charger (For 36GC17)	39.00	13.00
BC36	36 volt Charger (For 36LA30)	39.00	13.00

▲ = New product
Bold = Added to package

Panastar High Speed Camera System

6 to 120 fps crystal controlled, dual pin registered, high speed precision camera created for the most demanding work including mattes and special effects. The Panastar's extreme versatility makes it a favorite camera for miniatures, live action stunts, and commercials. Shutter degrees 45–180.

Includes:

			Weekly	*Daily*
	2	**24 volt Batteries**		
MB	1	Wide Angle Matte Box		
GG	1	Ground Glass		
GFH	1	Box (12) Gelatin Filter Holders		
CBLE-24P	2	Power Cables		
STFF	1	Panastar Follow Focus		
SB, MOV, SIL	1	Maintenance Kit with 3 Circuit Boards		
RHG	1	Right Hand Grip		
LHG	1	Left Hand Grip		
SR	1	Shoulder Rest		
IRISROD	3	Pairs of Iris Rods		
LRB	1	Long Iris Rod Bracket		
SRB	1	Short Iris Rod Bracket		
PCM/PCOB	1	Sliding Base Plate		
EPL	1	Eyepiece Leveler		
STEX	1	Extension Viewfinder		
EPH	1	Built-in Eyepiece Heater		
STE	1	Short Eyepiece		
CBLE-EMRG	1	Emergency Cable		
CBLE-AUX	2	Auxiliary Cables		
FFX	1	Follow Focus Extension Cable 12"		
FXHL	1	Speed Crank/L-Handle		
			1,209.00	403.00
STM10		1000' High Speed Magazine	141.00	47.00
STM5		500' High Speed Magazine	129.00	43.00
STRM10		1000' Reversing Magazine	198.00	66.00
STSF		Panastar Super Follow Focus	45.00	15.00
PVSC		Panastar Variable Speed Control	51.00	17.00
PDSC		Panastar Digital Speed Control	84.00	28.00

Panastar II High Speed Camera System

4 to 120 fps, crystal controlled in one frame increments both forward and reverse, (to run in reverse requires reversing magazine), 29.97 fps crystal, five pounds lighter than the original Panastar, variable Panaglow, digital readout of shutter angle, dual pin registered. Ideal for critical photography including matte work, special effects, miniatures, stunts, and commercials. Shutter degrees 45–180.

Includes:			*Weekly*	*Daily*
	2	**24 volt Batteries**		
MB	1	Wide Angle Matte Box		
GG	1	Ground Glass		
GFH	1	Box (12) Gelatin Filter Holders		
CBLE-24P	2	Power Cables		
STFF	1	Panastar Follow Focus		
SB, MOV, SIL	1	Maintenance Kit with 3 Circuit Boards		
RHG	1	Right Hand Grip		
LHG	1	Left Hand Grip		
SRP	1	Shoulder Rest		
IRISROD	3	Pairs of Iris Rods		
LRB	1	Long Iris Rod Bracket		
SRB	1	Short Iris Rod Bracket		
PCM/PCOB	1	Sliding Base Plate		
EPL	1	Eyepiece Leveler		
STEX	1	Extension Viewfinder		
STE	1	Short Eyepiece		
EPH	1	Built-in Eyepiece Heater		
CBLE-24H/P	2	Heater/Power Cables		
CBLE-EMRG	1	Emergency Cable		
FFX	1	Follow Focus Extension Cable 12"		
FXHL	1	Speed Crank/L-Handle		
			1,467.00	489.00

STM10	1000' High Speed Magazine	141.00	47.00
STM5	500' High Speed Magazine	129.00	43.00
STRM10	1000' Reversing Magazine	198.00	66.00
STSF	Panastar Super Follow Focus	45.00	15.00
PVSC	Panastar Variable Speed Control	51.00	17.00
PDSC	Panastar Digital Speed Control	84.00	28.00

Bold = Added to package

INTERVIEW WITH A VAMPIRE

Director: *Neil Jordan*
Director of Photography: *Philippe Rousselot, A.F.C.*
Camera Operator: *Anastas Michos*
First Assistant: *Ted Morris*
Second Assistant: *Steve Latham*
Loader: *Brian Nordheim*

Photo by: *François Duhamel* Courtesy of: *Warner Bros., Geffen Productions*

INTERVIEW WITH A VAMPIRE

Photo by: *François Duhamel* Courtesy of: *Warner Bros., Geffen Productions*

INTERVIEW WITH A VAMPIRE

Photo by: *François Duhamel* Courtesy of: *Warner Bros., Geffen Productions*

BATTERIES AND CHARGERS

			Weekly	Daily
	24GC17U	24 volt Block Battery with Multi-standard built-in Charger, 17 amp hours	66.00	22.00
	24GC17A	24 volt Block Battery with built-in Charger, 17 amp hours	66.00	22.00
	24LA10	24 volt LA Battery with built-in Charger, 10 amp hours	66.00	22.00
	B4C	24 volt Belt Battery with built-in Charger, 10 amp hours	66.00	22.00
▲	24CA12	Miniblock Battery with built-in Charger, 12 amp hours	66.00	22.00
	24NC12,B4,10P	24 volt Nicad (Block, Belt or Purse), 6 amp hours	39.00	13.00
	BC24	24 volt Charger	39.00	13.00
	36NC15	36 volt Nicad (Block or Pack), 6 amp hours	39.00	13.00
	BC36	36 volt Charger	39.00	13.00

Cold weather influences the performance of certain batteries. Please consult your Panavision representative.

FOCUS, ZOOM AND T-STOPS

	MFFGB	Modular Follow Focus *The ultimate follow focus: very smooth action, zero backlash, allows focus from either side of the camera. For use with Platinum, Panaflex, Panastar, Panaflex-16, and Pan-Arri III cameras.*	96.00	32.00
▲	MFFRD	Modular Follow Focus Right Angle Adapter	Available on request, no charge	
	MFF2SK	Modular Follow Focus Two-Speed Knob *Add on to the modular follow focus; allows a choice of either "high speed"or normal speed focus ratio.*	24.00	8.00
	MFFRM	Modular Follow Focus Remote Motor *Add on to the modular follow focus; allows remote focus through a standard BNC video cable.*	159.00	53.00
	FFX6	Follow Focus Extension Cable 6"	27.00	9.00
	FFX	Follow Focus Extension Cable 12"	33.00	11.00
	SFF	Super Follow Focus	45.00	15.00
	TSCU	Universal T-Stop Changer	33.00	11.00
	ZCH, PZCH	Zoom Control Holder	45.00	15.00
	ZC	Zoom Control	60.00	20.00
▲	SZC	Super Zoom Control (Microforce style disc can attach to pan handle-fluid heads)	63.00	21.00
	PZC	Panabar Zoom Control	57.00	19.00
▲	FZR	FTZSAC *Remote Focus, T-stop, Zoom, Speed Aperture Control* *All digital system also incorporates camera on/off. Operates hardwired or wireless.*	411.00	137.00
	RFTR	Remote Focus and T-Stop Model II *State-of-the-art remote focus. Communicates all digital information allowing remote focus, T-stop, camera on/off, either hardwired or wireless.*	357.00	119.00

GRIPS AND HANDLES

			Weekly	Daily
	LHXA	Adjustable Left Hand Grip Extension	33.00	11.00
	PCLAHP	Panaclear Auxiliary Carrying Handle	24.00	8.00
	RHGE	Adjustable Right Hand Grip Extension	33.00	11.00
▲	HHPCH	Handheld Panaclear Handle	21.00	7.00

HEADS

	PH-S	Super Panahead	378.00	126.00
	PH	Panahead	357.00	119.00
	PHDTP	Panahead Dual Tilt Plate – Simplifies extreme tilts	54.00	18.00
	WSH	Weaver Steadman Head	276.00	92.00
▲	WSRAM	Weaver Steadman Roll Axis Module (A third axis used in conjunction with the Weaver Steadman Head)	150.00	50.00
	SH	Sachtler Head (Model 7+7 Studio – Mitchell type base)	129.00	43.00
	SH80	Sachtler Video 80 Head	207.00	69.00
	SHS80	Sachtler Studio 80 Fluid Head	207.00	69.00
	OH100	O'Connor 100 Fluid Head	51.00	17.00
	OHU	O'Connor Head Ultimate	237.00	79.00
	RHF7	Ronford Seven Fluid Head	261.00	87.00
	C40H	Cartoni Fluid Head	120.00	40.00
	C40DH	Cartoni Dutch Angle Fluid Head	249.00	83.00

MAGAZINES

PM10	1000' Platinum Magazine with Digital Display	135.00	45.00
PRM10	1000' Platinum Reversing Magazine	189.00	63.00
M20	2000' Panaflex Magazine	177.00	59.00
M10	1000' Panaflex Magazine	129.00	43.00
M5	500' Panaflex Magazine	87.00	29.00
M2	250' Panaflex Magazine	63.00	21.00
STM10	1000' Panastar High Speed Magazine	141.00	47.00
STM5	500' Panastar High Speed Magazine	129.00	43.00
STRM10	1000' Panastar Reversing Magazine	198.00	66.00
M5-PG	500' Panaflex/Panaglide Magazine	108.00	36.00
M2HC, M5HC, M10HC	Magazine Heater Cover: 250', 500', 1000'	45.00	15.00

▲ = New product

Camera Accessories

MOUNTS AND AUTO BASES

			Weekly	*Daily*
▲	PUAB	Panavision Universal Autobase *No tools required for quick setup. Accepts all Panaflex cameras including the Panaflex 16 and 65mm handheld cameras with a variety of magazine configurations. Also accepts Pan-Arri III.*	165.00	55.00
	PAB	Panaflex Automobile Base with Remote Switch and Extension Cable	123.00	41.00
	PTATE	Panatate 360 degree Rotating Camera Mount *Rotates camera around the lens axis. Used in combination with a Panahead to produce 3 separate axes of movement (pan, tilt, rotation).*	1,149.00	383.00
	PRK	Panarock II (Near-ground level pan and tilt device)	132.00	44.00
▲	DSP	Dutch Swing Plate (Mounts on Panahead and allows pan, tilt, and dutch angle)	42.00	14.00
	GTP	Tilt Plate (Geared)	69.00	23.00
	PTLT	Panatilt/Balance Plate	51.00	17.00
	RP45	45 Degree Riser Plate	45.00	15.00
	WP	Wedge Plate (Angle plate)	33.00	11.00
	PCOB	O'Connor Sliding Base	39.00	13.00
	PUB	Utility Base	42.00	14.00
	TMP	Teleprompter Mounting Assembly	48.00	16.00

MATTE BOXES AND SUNSHADES

	MBP	Primo Clip-on Matte Box	33.00	11.00
	PGMB	Panaflex Clip-on Matte Box	33.00	11.00
	ECMB	"E" Series Clip-on Matte Box	33.00	11.00
	FSE	Sunshade Extension – New Style – Folding	33.00	11.00
	MBF	Sunshade Extension	33.00	11.00
	MBFS	Super Sunshade Extension	33.00	11.00
	MB	Panaflex Matte Box: Standard/Wide Angle Handheld	42.00	14.00
	MBT4X5	Tiltable Matte Box 4 x 5	78.00	26.00
	MBT8X6	Matte Box 8.5 x 6.6	96.00	32.00
	MB6.6X2	Grad Matte Box 6.6 x 6.6 (2 Slot)	90.00	30.00
▲	MBSA6.6x3	Grad Matte Box 6.6 x 6.6 (3 Slot) Swing away. Adjustable filter in shot. Accepts MFFRM for remote use.	105.00	35.00
	MBS6.6X3	Grad Matte Box 6.6 x 6.6 (3 Slot) Swing away	90.00	30.00
▲	ARF	Anti-Reflection Filter Holder *Securely holds one, two or three 4x5 filters, eliminating reflections between filters.*	36.00	12.00
	FA	Filter Adapter 6 x 6 to 4 x 5	18.00	6.00

PANA-ACCESSORIES, ETC.

			Weekly	*Daily*
▲	PL2	Panalite II *125 watt MSR, 5600 degree color temperature. Electronic flicker-free power supply. 24 volt DC or 120/208 volt AC power input. Manual or remote motorized intensity control. Compact and light. Mounts on iris rods.*	330.00	110.00
	PL	Panalite 650 watts or 1000 watts	222.00	74.00
▲	PT2	Panatape II Ultrasonic Ranging System	150.00	50.00
	PT	Panatape	150.00	50.00
	PFL	Panaflasher *Pre- and post-negative flashing in camera. Works with every lens and filter combination. No external power required. Extremely compact and lightweight.*	249.00	83.00
	PSC2	Precision Speed Control for Panaflex and Pan-Arri Cameras	189.00	63.00
	PSC	Precision Speed Control 4 fps through 34 fps	189.00	63.00
	CHB	Changing Bag	9.00	3.00
	EPL	Eyepiece Leveler	27.00	9.00
	FFD	Flange Focal Depth Set	33.00	11.00
	FP	Gel Punch	21.00	7.00
	FPSP35	Super 35 *Available for conversion from standard 35mm format to Super 35mm format.*	162.00	54.00
	GG-X	Panaglow Ground Glass (1 complementary with each camera)	60.00	20.00
	GGMC	Ground Glass Matte Cutter	42.00	14.00
▲	HV2	Panafinder II *Straight finder with built-in de-anamorphoser.*	129.00	43.00
▲	HV2-V	Panafinder II W/Video	240.00	80.00
	HV	Panafinder (L-shaped)	129.00	43.00
	MHV	Mitchell Hand Viewer	72.00	24.00
	PFXRC	Rain or Dust Cover	45.00	15.00
	PLL	Panalens Light – Camera assistant working light	27.00	9.00
	PWP-L,PWP-S	Weather Protector (Long or short)	45.00	15.00
	WB	Water Box (Able to submerge 10" below water's surface)	372.00	124.00
▲	PVE	Power Video Expander *Provides 3 additional 24 volt power outlets and 3 buffered video outputs with 2x gain.*	36.00	12.00
	CS	Slate (Clapboard)	9.00	3.00

TRIPODS

PTP-S, PTP-B	Panapod (Standard or Baby)	45.00	15.00
RST, RST-B	Ronford Tripod (Standard or Baby)	45.00	15.00
BAZ	Bazooka	177.00	59.00
MHH	Mitchell Hi-Hat/Lo-Hat	18.00	6.00
PMS,RBS	Spreader	21.00	7.00

▲ = New product

Camera Accessories

REMOTE PRODUCTS

			Weekly	Daily
▲	FZR	FTZSAC *Remote Focus, T-stop, Zoom, Speed Aperture Control* *All digital system also incorporates camera on/off. Operates hardwired or wireless.*	411.00	137.00
▲	SSCB2	Smart Shutter Control II *Automatically compensates shutter angle and/or T-stop (requires T-stop motor) as operator changes camera frame rate. Also allows you to change shutter angle remotely. For use on Platinum, Panaflex, and Panastar cameras.*	264.00	88.00
	RFTR	Remote Focus and T-Stop Model II *State-of-the-art remote focus. Communicates all digital information allowing remote focus, T-stop, camera on/off, either hardwired or wireless.*	357.00	119.00
	RSB	Digital Remote Switch (Tacho) *On/off remote switch with digital display of film speed and film footage.*	54.00	18.00
	PRS	Remote Switch Cable	39.00	13.00
	RS	Remote Shutter Lock	21.00	7.00
	CBLE-24E, 36E	36 volt -24 volt Extension Cable	33.00	11.00

SPRAY DEFLECTORS

High speed, rotating, optically flat disc that throws off water before the lens is blurred.

			Widest Spherical Lens	*Widest Anamorphic Lens*		
▲	HHSD	Handheld Spray Deflector	Primo Spherical 21mm	"C" Series 30mm	474.00	158.00
	CSDF	Compact Spray Deflector	Primo Spherical 14.5mm *(only covers 1.85 and TV)*	"C" Series 30mm	411.00	137.00
	ESD	Spray Deflector (With Base Plate)	Primo Spherical 14.5mm *(only covers 1.85 and TV)*	"C" Series 30mm	372.00	124.00

SYNC BOXES

For all Panaflex and Super PSR Cameras.

PNPS	Phaseable Synchronizer *Incorporates all the capabilities of the Video and Film, Field to Frame, and Camera to Projector synchronizers.*	234.00	78.00
EPS	Camera to Projector Synchronizer	198.00	66.00
FFS	Field to Frame Synchronizer 24/24FPS or 30/30FPS	198.00	66.00
FVSC	Film/Video Synchronizer Control	414.00	138.00
TLS	Time Lapse Synchronizer 1/4 SPF to 640 SPF	198.00	66.00
VFS	Video/Film Synchronizer 30/24FPS	198.00	66.00

▲ = New product

MAN WITHOUT A FACE

Director: ***Mel Gibson***
Director of Photography: ***Don McAlpine, A.S.C.***
Camera Operator: ***Doug Ryan***
First Assistant: ***Mark Davison***
Second Assistant: ***Duane Manwiller***

Photo by: *Joel Warren* Courtesy of: *Warner Bros., Garthorpe Inc.*

Pan-Arri III Camera System

Panavised 24 volt version of the Arri III. Accepts all Panavision lenses and a wide range of Panavision matte boxes and accessories. 4–120 fps.

Includes:			*Weekly*	*Daily*
	2	**24 volt Batteries**		
MFFGB		**Modular Follow Focus** *The ultimate follow focus; very smooth action, zero backlash, allows focus from either side of the camera. For use with Platinum, Panaflex, Panastar, Panaflex-16, and Pan-Arri III cameras. Modular Follow Focus Right Angle Adapter available on request at no cost.*		
GG	1	Ground Glass		
AIIIRHG	1	Right Hand Grip		
LHG	1	Left Hand Grip		
HG	1	Hand Grip		
CBLE-24HP	2	Power Cables		
ABIII	1	Base Plate		
PAMB	1	Wide Angle Matte Box		
IRB-A	1	Universal Iris Rod Adapter		
PCOB/PCM	1	O'Connor Sliding Base		
AIIIHSC	1	Crystal High Speed Motor Control (6–120fps)		
	1	Door		
			1,146.00	382.00

AM1000	1000' Magazine	168.00	56.00
AM400	400' Magazine	39.00	13.00
AM200	200' Magazine	33.00	11.00
AM400HH	400' Pan-Arri Magazine, handheld	117.00	39.00
AM200HH	200' Pan-Arri Magazine, handheld	117.00	39.00
AIIIHSC	Crystal High Speed Motor Control (side mount)	177.00	59.00
PAIIIHSC	Cinema PAIII Crystal High Speed Control (flat base)	177.00	59.00
LHXA	Adjustable Left Hand Grip Extension	33.00	11.00
AIIIAEV	Extension Eyepiece with Anamorphoser	123.00	41.00
AIIIAFD	Anamorphic Fixed Door	132.00	44.00
AIIIPD	Pivoting Rotatable Viewfinder Door	132.00	44.00
AIIIFD	Fixed Door	132.00	44.00
AIIIOD	Offset Door, handheld	132.00	44.00
PAIIIJD	Offset Pivoting Door – Video Ready	132.00	44.00
AIIIPDV	Arri III Pivoting Video Door	132.00	44.00
AIIIEPX	Eyepiece Extension	75.00	25.00
AWP	Arri Weather Protector	42.00	14.00
NI	Norris Intervalometer (single frame and time-lapse control)	246.00	82.00
RSB-A	Remote Switch Control with Digital Display	54.00	18.00
MFF2SK	Modular Follow Focus Two-Speed Knob	24.00	8.00

Pan-Arri IIC Camera System

Panavised version of the Arri IIC. Accepts all Panavision lenses and a wide range of Panavision matte boxes and accessories.

Includes:			*Weekly*	*Daily*
PAMB	1	Wide Angle Matte Box		
VR	1	Variable Speed Motor		
GG	1	Ground Glass		
FF	1	Follow Focus Unit		
SAD	1	Spherical or Anamorphic Door		
AB	1	Base Plate		
CBLE-24AM	2	Power Cables		
			315.00	105.00

▲ PAIIJD	Pan-Arri III Jurgen Door *Pivoting, rotatable viewfinder door, video ready*	132.00	44.00
▲ PAIIHSC	CE Base (Cinema PAII crystal high speed control, 2–72fps, flat base)	168.00	56.00
AM400	400' Magazine	39.00	13.00
AM200	200' Magazine	33.00	11.00
AM400HH	400' Pan-Arri Magazine, handheld	117.00	39.00
AM200HH	200' Pan-Arri Magazine, handheld	117.00	39.00
PAA	Panahead Adapter Base	51.00	17.00
AHH	Arri Hi-Hat	24.00	8.00
MB	Matte Box: Standard/Wide Angle	42.00	14.00
AB	Base Plate	69.00	23.00
ACM	Crystal Controlled Motor (24 volt, 24 fps)	81.00	27.00
M-CS, TR	Constant Speed Motor (24 volt, 24 fps, Non-Crystal)	69.00	23.00
AHSM	High Speed Motor (36 volt, 4–72 fps)	150.00	50.00
VR	Variable Speed Motor (4–28 fps)	66.00	22.00
APF	Periscope Viewfinder Attachment	66.00	22.00
BARNEY	Barney	42.00	14.00
AWP	Arri Weather Protector	42.00	14.00

▲ = New product
Bold = Added to package

Mark II Camera System

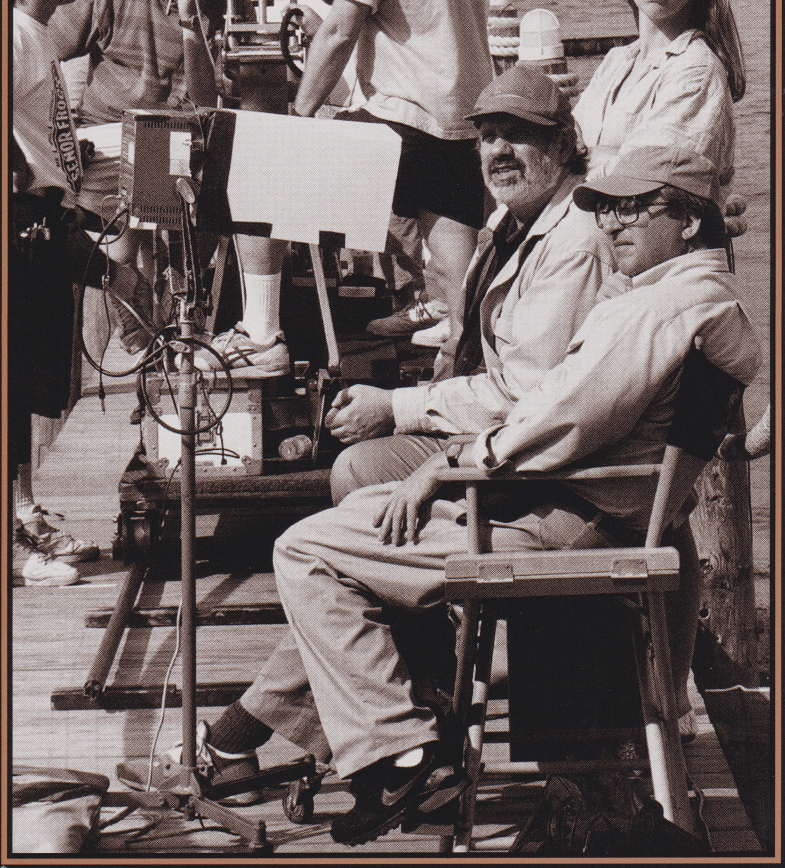
Dependable high speed and special effects camera. Dual pin registration.

Includes:			*Weekly*	*Daily*
MB	1	Wide Angle Matte Box		
M-115VSM	1	Variable Speed Motor		
GG	1	Ground Glass		
FF	1	Follow Focus Unit		
CBLE-24P	2	Power Cables		
			546.00	182.00
MIT10		1000' Mitchell Magazine	21.00	7.00
MB		Mark II Matte Box: Standard/Wide Angle	42.00	14.00
MIIHSM		Pana-High Speed Motor (120 volt AC/24 volt DC) (36 volt, 24 crystal)	237.00	79.00
M-115VSM		Variable Speed Motor	96.00	32.00
M-PS		Panaspeed Motor with Adapter (36 volt)	144.00	48.00
MFM		Fries Motor (30 volt)	177.00	59.00

FRANKENSTEIN

Director: ***Kenneth Branagh***
Director of Photography: ***Roger Pratt, B.S.C.***
Camera Operator: ***Trevor Coop***
Focus Puller: ***Simon Hume***
Clapper/Loader: ***Nick Penn***
Grip: ***Peter Butler***

Photo by: *David Appleby* Courtesy of: *TriStar Pictures*



CARLITO'S WAY

Director: *Brian De Palma*
Director of Photography: *Steve Burum, A.S.C.*
Camera Operator: *Craig Di Bona*
First Assistant: *Scott Rathner*
Second Assistant: *Jim Belletier*

Photo courtesy of: *Universal Pictures*

PFXLW-P, PFXLW-II PANAFLEX LIGHTWEIGHT CAMERA

(CUSTOMIZED FOR STEADICAM)

Includes:				*Weekly*	*Daily*
BC24, 24NCS1	1	24 volt Belt Battery Complement *(Either 2 – 24 volt Batteries and 1 – 24 volt Charger or 2 – 24 volt self-charging Belt Batteries)*			
M5-PG	2	500' Panaflex/Panaglide Magazines			
GG	1	Ground Glass			
PGMB	1	Clip-on Matte Box			
	1	Video Assist Camera			
DDR		Remote Camera display showing camera footage, speed, and battery condition.			
				1,986.00	662.00
			Close Focus To:		
▲ LWZ 27/68mm		T2.8 Lightweight Zoom *Lens weight less than 2½ lbs; length 4¼". Comes with 5 complementary 72mm filters. Will not accept extenders. Ideal for use with a FTZSAC (see page 16).*	3'	375.00	125.00

SCM 3 STEADICAM III A (INVERTIBLE)

			Weekly	Daily
RFTR	1	Remote Focus and T-Stop Control Unit		
		Battery Complement (Consists of: 8 – SCNB, 2 – SCNBZ, 3 – 12LA 1.2, 3 – BC12LA 1.2)		
PGV/PGA	1	Steadicam Vest and Arm		
SCVM	1	Steadicam Video Monitor		
SCJB	1	Steadicam Junction Box		
SCDB	1	Docking Bracket		
SCCS	1	"C" Stand		
			1,104.00	368.00

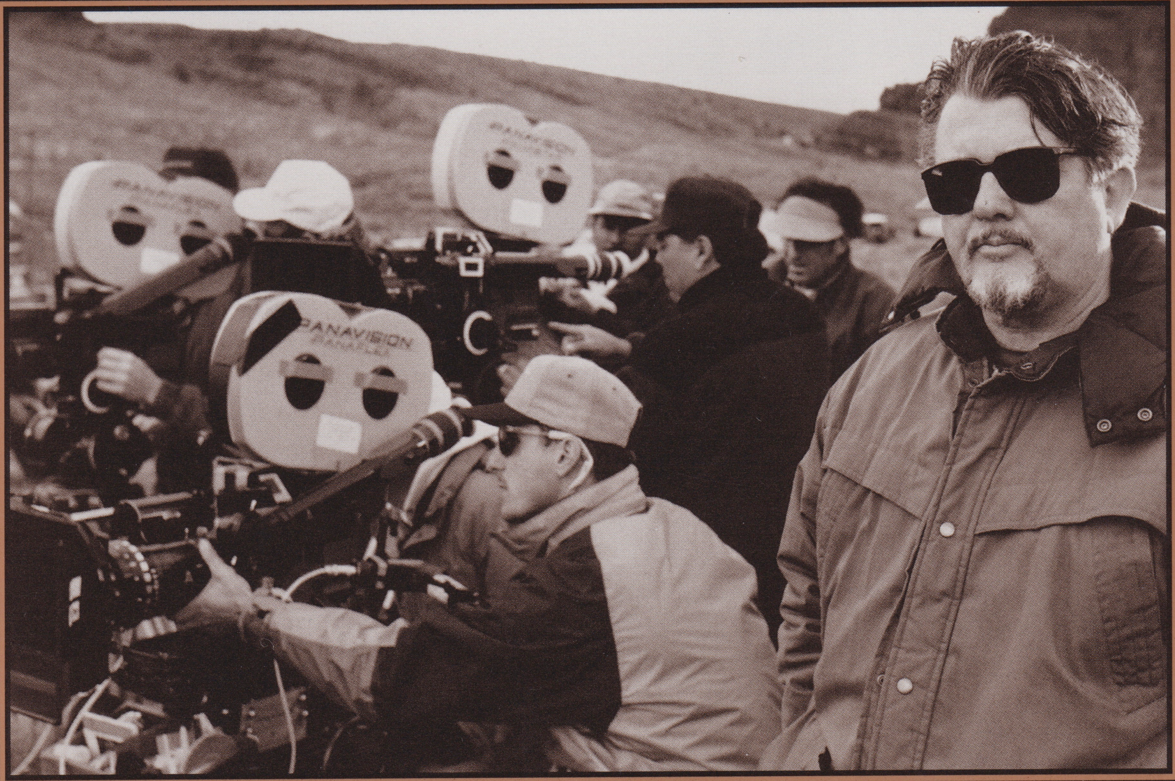
COMPACT/LIGHTWEIGHT CONVERSION KIT

PCCD-B		Panavid Compact CCD Bridge	924.00	308.00
SCCD-F		Super CCD Finder	498.00	166.00
PCCD		Panavid Compact CCD		
SCCP-T		Steadicam Clamp Plate (Top)		
SCCP-B		Steadicam Clamp Plate (Bottom)		
PSCD		Panaflex Steadicam Dovetail		
M5-PG	2	500' Panaflex/Panaglide Magazines		

ACCESSORIES

M5-PG	500' Panaflex/Panaglide Magazine	108.00	36.00
SCAP	PFX Adapter Kit for Panaglide (STEADICAM)	102.00	34.00
CBLE-PGRF12	Panaglide Remote Focus and T-Stop Cable 12'	27.00	9.00

▲ = New product



GERONIMO

Director: *Walter Hill*
Director of Photography: *Lloyd Ahern*
Camera Operators: *Robert LaBonge, Ed Morey, Norm Langley*
First Assistants: *Greg Smith, Mike Chavez, Mark La Bonge, Steve McClean*
Second Assistants: *Jeff Greeley, Chris Blauvelt, Frank Parrish*
Loader: *George Sanchez*

Courtesy of: *Columbia Pictures*

Filters

GENERAL TYPES

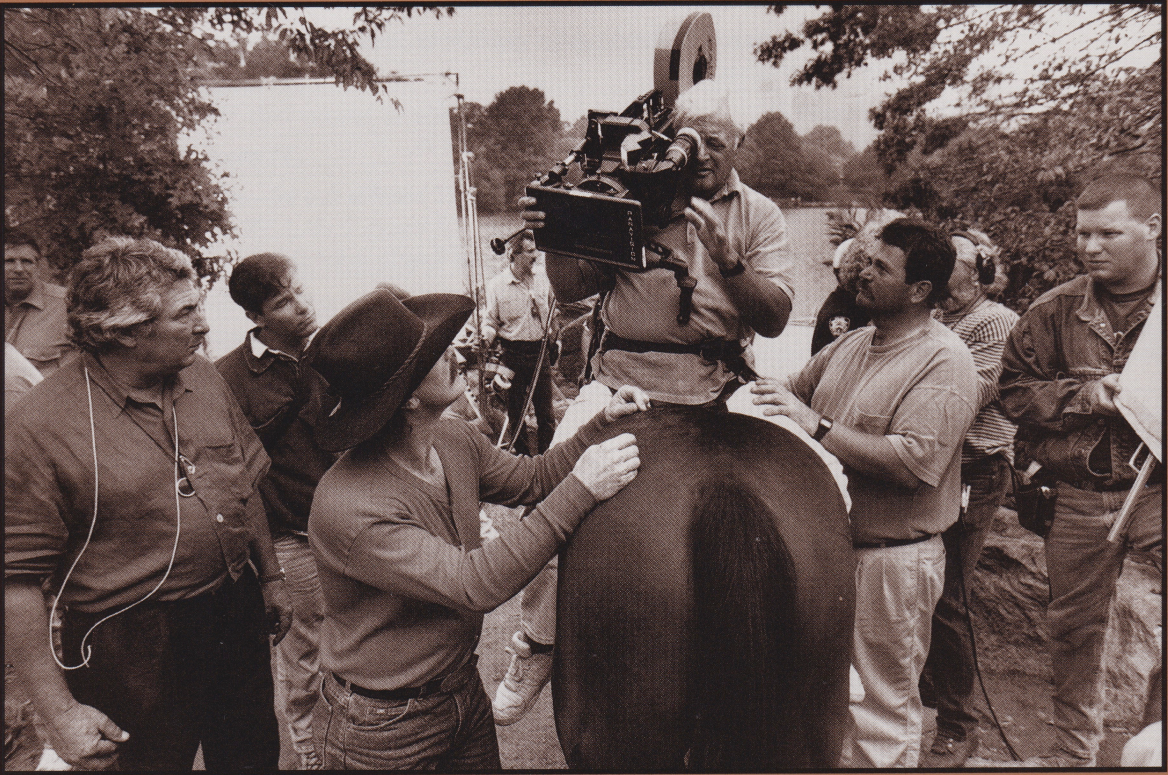
General types include: Correction (85s, 81s, 80s, 82s), NDs, Polas, Enhancers, Fogs, Diffusion, Contrast, Flats, Corals, Colored Grads, and Stars.

		Weekly	*Daily*
4X5	4 x 5.650 Filters	27.00	9.00
4.5	4.5" Round Filters 4.5" Round Diopters – Full and Split Filters *(+.25, +.5, +1, +1.5, +2, +3)*	27.00	9.00
138	138mm Filters 138mm Diopters – Full and Split Filters *(+.25, +.5, +1, +1.5, +2, +3)*	30.00	10.00
6X6	6.6 x 6.6 Filters	30.00	10.00
ARF	Anti-Reflection Filter Holder *Securely holds one, two or three 4x5 filters, eliminating reflections between filters*	36.00	12.00
FA	Filter Adapter Trays	18.00	6.000

MISCELLANEOUS FILTERS

4X4	100mm x 100mm Filters (All inclusive)	24.00	8.00
3X3	75mm x 75mm Filters (All inclusive)	24.00	8.00
3X7	For 65mm Camera. Includes sizes 2 x 6 and 2.5 x 5.5 Filters (All inclusive)	24.00	8.00
S/Filter	"Small Filter" includes all filter types for sizes listed – *40.5mm, 48mm, 52mm, 62mm, 72mm – Series 8 and 9*	24.00	8.00
L/Filter	"Large Filter" includes all filter types for sizes listed – *12 x 12, 9 x 9, 8.5 x 8.5, 5.5 x 6.5, 6" round*	33.00	11.00
SDMB	Sliding Diffusion with Matte Box (Manual)	84.00	28.00
NET/FRAMES	4 x 5 Net Frames, 6 x 6 Net Frames, 4.5 Net Frames, and 138 Net Frames	12.00	4.00
SD	Sliding Diopter Matte Box with 5 Diopters	333.00	111.00

Any additional types of filters may be obtained through Panavision. Please inquire with Filter Department representative.



THE COWBOY WAY

Director: ***Greg Champion***
Director of Photography: ***Dean Semler, A.C.S.***
Camera Operator: ***Peter Norman***
First Assistant: ***Eric Swanek***
Second Assistant: ***Pam Rittlemeyer***

Photo courtesy of: *Universal Pictures*

Video Systems

PANAFLEX/PANASTAR ASSIST

			Weekly	Daily
▲	PCV	Panavision Color Video *Flicker free at 24 and 30 fps, auto color balance, normal and boost gain, no filter, wide sensitivity range.*	993.00	331.00
	SCCD-C	Super CCD–B&W (Platinum, Gold, GII, Panastar) *Bright, high resolution, no lag, reduced flicker, auto/manual gain and iris, filter wheel.*	897.00	299.00
	SCCD-F	Super CCD Finder *Small CCD video finder which replaces the Panaflex optical viewfinder for Steadicam or other remote camera applications.*	498.00	166.00
	CCD-X	Super CCD–B&W (Panaflex X) *Bright, high resolution, no lag, reduced flicker, auto/manual gain and iris.*	378.00	126.00
▲	WC	CCD Witness Camera *Mounts on iris rods for remote viewing of focus scale*	36.00	12.00
▲	CCD-PF	Eyepiece Video (Replaces optical eyepiece, works on all Panaflex and Panastar cameras)	474.00	158.00

PAN-ARRI III B&W VIDEO ASSIST

	CCD-A	Arri CCD Video Assist (For Arri Door)	765.00	255.00
	CCD-J	Arri CCD Video Assist (For Jurgen Door)	765.00	255.00
	PAVC	Panavision CEI VP-II System	396.00	132.00
▲	VCG	Video Character Generator *Adds camera footage, speed, and panatape data (if present) to video assist image.*	99.00	33.00

ARRI III COLOR VIDEO ASSIST

▲	ACV	Arri Color Video *Flicker free at 24 and 30 fps, auto color balance, normal and boost gain, no filter, wide sensitivity range.*	993.00	331.00
▲	CCD-JC	Arri CCD Video (Color Jurgen Door)	897.00	299.00

PAN-ARRI IIC B&W VIDEO ASSIST

▲	CCD-J	Arri CCD Video Assist (B&W Jurgen Door)	765.00	255.00

VIDEO MONITORS AND ACCESSORIES

		Weekly	Daily
FLG	Frame Line Generator *To be used on all videos. Displays format frame lines.*	66.00	22.00
9,13,19AVM	Portable B&W Monitor (9", 13" or 19")	66.00	22.00
▲ LCDM4	On Board LCD Monitor (4")	81.00	27.00
3VM	Portable B&W Monitor (3")	75.00	25.00
VM8C	Color Monitor (8") *High resolution (400 lines), sunshade, shock mounted, portable.*	147.00	49.00
VM9	B&W Monitor (9") *Sunshade, shock mounted, portable.*	90.00	30.00
PVA9M	B&W Monitor (9")	108.00	36.00
CBLE-VID30	Sony Cable – For each additional 30' cable *(Use with VFP 1, VFP 2, Remote CCU) 60' cable included with video units.*	33.00	11.00
CBLE-BNC30	BNC Cable –For each additional 30' cable *(Use with Platinum or Super CCD, Monitors, etc.) 30' cable included with video and monitors.*	18.00	6.00
PVE	Power Video Expander *Provides 3 additional 24 volt power outlets and 3 buffered video outputs with 2x gain.*	36.00	12.00

COP GIVES WAITRESS TWO MILLION DOLLAR TIP

Director: ***Andrew Bergman***
Director of Photography: ***Caleb Deshanel***
Camera Operator: ***Henry Lynk***
First Assistants: ***Scott Rathner, Jim Belletier***

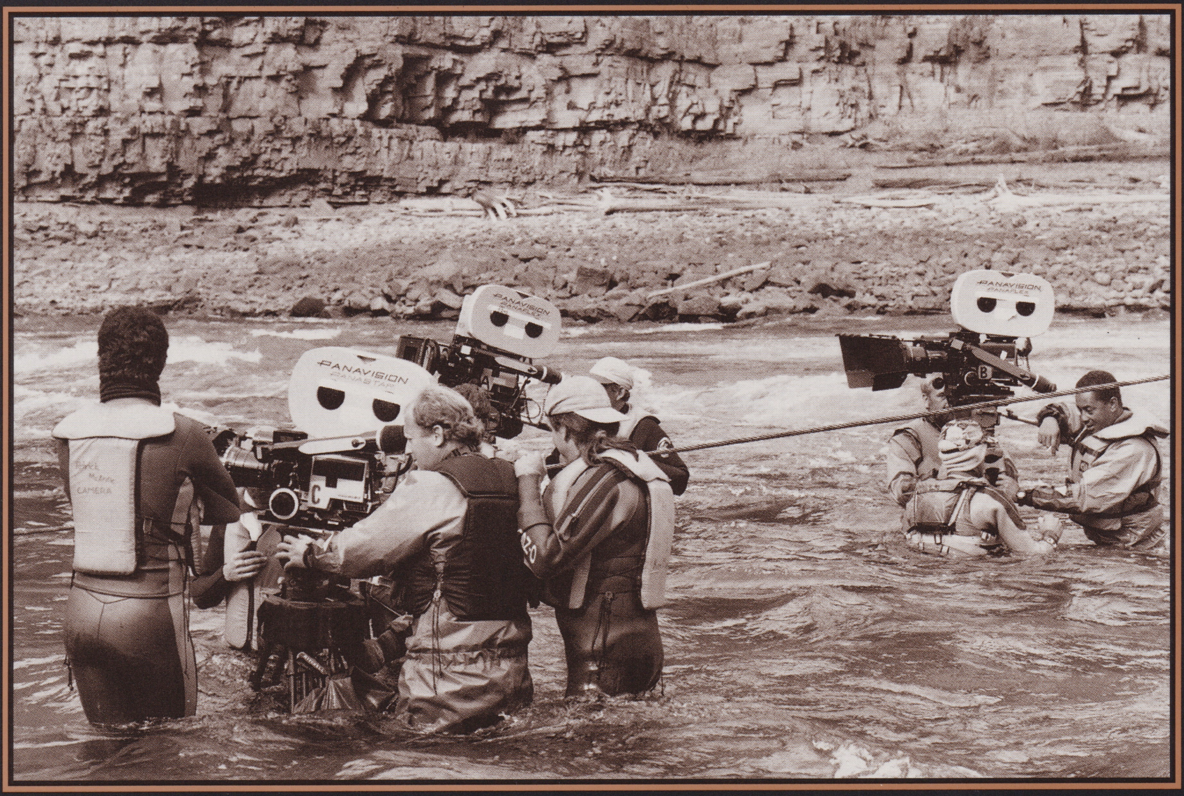
Courtesy of: *TriStar Pictures*

▲ = New product

TERMINAL VELOCITY

Director: *Deran Sarafian*
Director of Photography: *Oliver Wood*
Camera Operators: *Billy Roe, Bill Barber, Dave Luckenbach*
First Assistants: *Jamie Barber, Rob Morey, Steve Wong*
Second Assistants: *Tim Roe, Beth Horton, Rich Stevens, Dan Teaze*
Loader: *Trevor Loomis*

Photo by: *Bob Marshak* Courtesy of: *Interscope Communications*



THE RIVER WILD

Director: *Curtis Hanson*
Director of Photography: *Robert Elswit*
Camera Operators: *Mike Stone, Kim Marks, Paul Babin*
First Assistants: *Mike Riba, Pat McArdle, Rick Mention, Norman Parker, Brian Sullivan*
Second Assistants: *Trent Anderson, Paul Sanchez, Dylan Gross, Chris Van Over*
Loaders: *Al Calderon, Dave Garden*

Photo by: *Melissa Moseley* Courtesy of: *Universal Pictures*

35mm Spherical Lenses —— Primo Series

PRIMO PRIMES

Color matched lenses combining high contrast and resolution with good field illumination; negligible veiling glare, ghosting and distortion.

				Close Focus To:	Weekly	Daily
SL10	10mm	T1.9		2'	330.00	110.00
SL14.5	14.5mm	T1.9		2'	258.00	86.00
SL17.5	17.5mm	T1.9		2'	243.00	81.00
SL21	21mm	T1.9		2'	216.00	72.00
SL27	27mm	T1.9		2'	216.00	72.00
SL35	35mm	T1.9		2'	216.00	72.00
SL40	40mm	T1.9		2'	216.00	72.00
SL50	50mm	T1.9		2'	216.00	72.00
SL75	75mm	T1.9		3'	216.00	72.00
SL100	100mm	T1.9		3'	216.00	72.00
SL100+1.4XE	140mm	T2.8	(100mm Primo Prime + 1.4x Primo Extender)	3'1"	See item prices	
SL150	150mm	T1.9		5¾'	321.00	107.00
SL150+1.4XE	210mm	T2.8	(150mm Primo Prime + 1.4x Primo Extender)	5'10"	See item prices	
1.4XE		1.4x Primo Extender (minus 1 full stop) *Negligible image quality degradation.Used on various lenses as shown.*			120.00	40.00
2XFHL6.6		Dual Filter Holder 6.6 for 10mm Primo Prime			36.00	12.00

PRIMO ZOOMS

Color and performance matched to Primo Primes.

	SLZ	17.5/75mm	T2.3	Primo Zoom Lens	2¾'	834.00	278.00
	SLZ+1.4XE	24.5/105mm	T3.2	(Primo Zoom + 1.4x Primo Extender)	2'10"	See item prices	
▲	SLZ11	24/275mm	T2.8	11:1 Primo Zoom Lens	4'	993.00	331.00
▲	SLZ11+1.4XE	34/385mm	T4	(11:1 Primo Zoom + 1.4x Primo Extender)	4'1"	See item prices	
▲	SLZ3	135/420mm	T2.8	3:1 Primo Zoom Lens	8'	993.00	331.00
▲	SLZ3+1.4XE	190/595mm	T4	(3:1 Primo Zoom + 1.4x Primo Extender)	8'1"	See item prices	

PRIMO CLOSE FOCUS LENSES

SL14.5-CF	14.5mm	T1.9	Close Focus	8"	294.00	98.00
SL17.5-CF	17.5mm	T1.9	Close Focus	7½"	294.00	98.00
SL21-CF	21mm	T1.9	Close Focus	9½"	294.00	98.00
SL27-CF	27mm	T1.9	Close Focus	9½"	294.00	98.00
SL35-CF	35mm	T1.9	Close Focus	11"	294.00	98.00

MACRO LENSES

Color and performance matched to Primo Primes.

					Close Focus To:	Weekly	Daily
	SM50-MF	50mm	T1.4	Close Focus Macro (2:1)	9"	228.00	76.00
▲	SM90-MF	90mm	T2	Close Focus Macro (0.7:1)/Micro	14¾"	228.00	76.00
▲	SM90-MF+1.4XE	127mm	T2.8	Close Focus Macro (0.5:1)/Micro	15½"	See item prices	
	SM100-MF	100mm	T2	Close Focus Macro (2.5:1)	18"	228.00	76.00
	SM100-MF+1.4XE	140mm	T2.8	(100mm Macro + 1.4x Primo Extender) (1.8:1)	19"	See item prices	
	SM200-MF	200mm	T4	Close Focus Macro (2:1)	27"	228.00	76.00
	SM200-MF+1.4XE	280mm	T5.6	(200mm Macro + 1.4x Primo Extender) (1.4:1)	28"	See item prices	

SLANT FOCUS LENSES

Bellowless lenses that allow tilting of the focus plane in any direction before or during shooting. There is no change in perspective and the effect is similar to a split diopter but with no line to hide and continuously variable power.

▲	SR24-SF	24mm	T3.5	Slant Focus with Close Focus	12"	330.00	110.00
▲	SR24-SF+1.4XE	34mm	T4.9	(24mm Slant Focus + 1.4x Primo Extender)	13"	See item prices	
	SR45-SF	45mm	T2.8	Slant Focus with Close Focus	16"	330.00	110.00
	SR45-SF+1.4XE	63mm	T4	(45mm Slant Focus + 1.4x Primo Extender)	17"	See item prices	
▲	SR90-SF	90mm	T2.8	Slant Focus with Close Focus	18"	330.00	110.00
▲	SR90-SF+1.4XE	127mm	T4	(90mm Slant Focus + 1.4x Primo Extender)	19"	See item prices	
▲	SR90-SF+2XE	180mm	T5.6	(90mm Slant Focus + 2x Extender)	19"	See item prices	

LIGHTWEIGHT ZOOM LENS

Color and performance matched to Primo Primes.

▲	LWZ	27/68mm	T2.8	Lightweight Zoom *Lens weight less than 2½ lbs; length 4¼". Comes with 5 complementary 72mm filters. Will not accept extenders. Ideal for use with a FTZSAC (see page 16).*	3'	375.00	125.00

▲ = New product

35mm Spherical Lenses

ULTRA SPEED "Z" SERIES MKII LENSES

Custom color matched lens sets. Zeiss optics, Panavision mechanics.

				Close Focus To:	Weekly	Daily
USZ14	14mm	T1.9		2'	168.00	56.00
SS17	17mm	T1.9*		2½'	150.00	50.00
SS20	20mm	T1.9*		2½'	144.00	48.00
USZ24	24mm	T1.3		2'	177.00	59.00
USZ29	29mm	T1.3		2'	177.00	59.00
USZ35	35mm	T1.4		2'	177.00	59.00
USZ50	50mm	T1.4		2'	177.00	59.00
USZ85	85mm	T1.4		2'	177.00	59.00
USZ100	100mm	T2		3'	177.00	59.00
USZ135	135mm	T2		5'	177.00	59.00
SZ180	180mm	T2		5'	177.00	59.00
SZ180+1.4XE	252mm	T2.8	(SZ180 + 1.4x Primo Extender)	5'1"	See item prices	
1.4XE		1.4x Primo Extender (minus 1 full stop) *Negligible image quality degradation. Used on various lenses as shown.*			120.00	40.00

SUPER SPEED "Z" SERIES MKII LENSES

Custom color matched lens sets. Zeiss optics, Panavision mechanics.

SZ14	14mm	T1.9		2'	168.00	56.00
SS17	17mm	T1.9*		2'	150.00	50.00
SS20	20mm	T1.9*		2½'	144.00	48.00
SZ24	24mm	T1.9		2'	168.00	56.00
SZ29	29mm	T1.9		2'	168.00	56.00
SZ35	35mm	T1.9		2'	168.00	56.00
SZ50	50mm	T1.9		2'	168.00	56.00
SZ85	85mm	T1.9		2½'	168.00	56.00
SZ100	100mm	T2		3'	177.00	59.00
SZ135	135mm	T2		5'	177.00	59.00
USZ180	180mm	T2.8		5'	177.00	59.00
USZ180+1.4XE	252mm	T4	(USZ180 + 1.4x Primo Extender)	5'1"	See item prices	
1.4XE		1.4x Primo Extender (minus 1 full stop) *Negligible image quality degradation. Used on various lenses as shown.*			120.00	40.00

** Non-Zeiss glass and MTF matched to complement "Z" series.*

ULTRA SPEED MKII LENSES

			Close Focus To:	*Weekly*	*Daily*
SS14	14mm	T1.9	2'	150.00	50.00
SS17	17mm	T1.9	2'	150.00	50.00
SS20	20mm	T1.9	2½'	144.00	48.00
SS24	24mm	T1.3	2'	144.00	48.00
SS29	29mm	T1.3	2¼'	144.00	48.00
US35	35mm	T1.3	2'	144.00	48.00
SS40	40mm	T1.3	2'	144.00	48.00
US50	50mm	T1	2'	144.00	48.00
SS75	75mm	T1.6	2'	144.00	48.00
SS100	100mm	T1.6	4'	144.00	48.00
SS125	125mm	T1.6	3½'	150.00	50.00
SS150	150mm	T1.5	5'	150.00	50.00

SUPER SPEED MKII LENSES

SP24-T2	24mm	T2	2'	48.00	16.00
SS28	28mm	T2	2'	48.00	16.00
SS35	35mm	T1.6	2'	81.00	27.00
SS50	50mm	T1.4	2 – 2¼'	81.00	27.00
SS55	55mm	T1.1	2½'	81.00	27.00

NORMAL SPEED MKII LENSES

SP9.8	9.8mm	T2.8	(For Pan-Arri only)	2'	114.00	38.00
SPN8	8mm	T2.8	Nikon Fisheye (For Pan-Arri and PFX-X only)	1'	180.00	60.00
SP16	16mm	T2.8		1¾'	48.00	16.00
SP20	20mm	T3 or T4		2½'	48.00	16.00
SP24	24mm	T2.8		2¼'	48.00	16.00
SP28	28mm	T2.8		2'	48.00	16.00
SP32	32mm	T2.8		2'	48.00	16.00
SP35	35mm	T2		1¾' – 2'	48.00	16.00
SP40	40mm	T2		2'	48.00	16.00
SP50	50mm	T2		2¼' – 2½'	48.00	16.00
SP75	75mm	T2		2½' – 2¾'	48.00	16.00
SP100	100mm	T2.4		3½'	48.00	16.00
SP150	150mm	T2.8		5'	48.00	16.00

35mm Spherical Lenses

CLOSE FOCUS/MACRO LENSES

				Close Focus To:	Weekly	Daily
SSCF17	17mm	T1.9	Close Focus	10"	186.00	62.00
SP20-CF	20mm	T4	Close Focus	8"	129.00	43.00
SP24-CF	24mm	T2.8	Close Focus	8"	129.00	43.00
SP28-CF	28mm	T2.8	Close Focus	8"	129.00	43.00
SP35-CF	35mm	T2	Close Focus	8"	129.00	43.00
MS40	40mm	T2.8	Close Focus Macro (2:1)		123.00	41.00
MC60	60mm	T2.8	Close Focus Macro (2:1)		123.00	41.00
MS90	90mm	T2.8	Close Focus Macro (2:1)		123.00	41.00
MS100	100mm	T2.8	Close Focus Macro (2:1)		123.00	41.00

TELEPHOTO LENSES

SPC200	200mm	T2	Canon (Fully Panavised)	8'	351.00	117.00
SPC200+1.4XE	280mm	T2.8	(Panavised Canon 200mm + 1.4x Primo Extender)	8'1"	See item prices	
SPN200	200mm	T2	Nikon	9'	351.00	117.00
SPN200+1.4XE	280mm	T2.8	(Nikon 200mm + 1.4x Primo Extender)	9'1"	See item prices	
SS200	200mm	T2	Panavision Ultra Speed	6'	144.00	48.00
SS300	300mm	T2.8	Panavision Ultra Speed	15'	159.00	53.00
SPC300	300mm	T2.8	Canon	10'	372.00	124.00
SPN300	300mm	T2	Nikon (Fully Panavised)	11'	741.00	247.00
SPN300+1.4XE	420mm	T2.8	(Panavised Nikon 300mm + 1.4x Primo Extender)	11'	See item prices	
SP400	400mm	T4	Panavision	15'	144.00	48.00
SPC400	400mm	T2.8	Canon	15'	372.00	124.00
SPC400+1.4XE	560mm	T4	(Canon 400mm + 1.4x Primo Extender)	15'	See item prices	
SP500	500mm	T4	Panavision	23'	186.00	62.00
SPC600	600mm	T4.5	Canon	27'	372.00	124.00
SPC600+1.4XE	840mm	T6.3	(Canon 600mm + 1.4x Primo Extender)	27'	See item prices	
SPC800	800mm	T5.6	Canon	45'	372.00	124.00
SPC800+1.4XE	1120mm	T8	(Canon 800mm + 1.4x Primo Extender)	45'	See item prices	
1.4XE			1.4x Primo Extender (minus 1 full stop) *Negligible image quality degradation. Used on various lenses as shown.*		120.00	40.00

Slant Focus Lenses are listed under "Primo Series Lenses" on page 35.

In addition, a variety of printer lenses for virtually any combination of formats are available. Panavision builds many special, usually customer requested, lens setups every year. Please inquire about these services.

35mm Spherical Zoom Lenses

ZOOM LENSES

All Panavision Zoom lenses are equipped with a silent high torque motor and include zoom control and cables.

				Close Focus To:	Weekly	Daily
SLZ	17.5/75mm	T2.3	Primo Zoom Lens	2¾'	834.00	278.00
▲ SLZ11	24/275mm	T2.8	11:1 Primo Zoom Lens	4'	993.00	331.00
▲ SLZ3	135/420mm	T2.8	3:1 Primo Zoom Lens	8'	993.00	331.00
▲ LWZ	27/68mm	T2.8	Lightweight Zoom *Lens weight less than 2½ lbs; length 4¼". Comes with 5 complementary 72mm filters. Will not accept extenders. Ideal for use with a FTZSAC (see page 16).*	3'	375.00	125.00
Z5S	20/100mm	T3.1	Cooke/Panavision	2½'	546.00	182.00
Z10S/ZC10	25/250mm	T4	Super Panazoom (Cooke)	5½'	546.00	182.00
Z6S	20/120mm	T3	Angenieux/Panavision	3½'	261.00	87.00
Z3S	20/60mm	T3	Cooke/Panavision	2¼'	546.00	182.00
Z4	35/140mm	T4.5	Angenieux/Panavision	4'	186.00	62.00
UZ	20/125mm	T1.9	Ultra Zoom System (PV)	4'	738.00	246.00
APZS	25/250mm	T4	Angenieux/Panavision	5½'	300.00	100.00
Z20S	23/460mm	T10	Angenieux/Panavision	5'	576.00	192.00
VFL4X	150/600mm	T6.3	Canon/Panavision Zoom Lens	10'	648.00	216.00

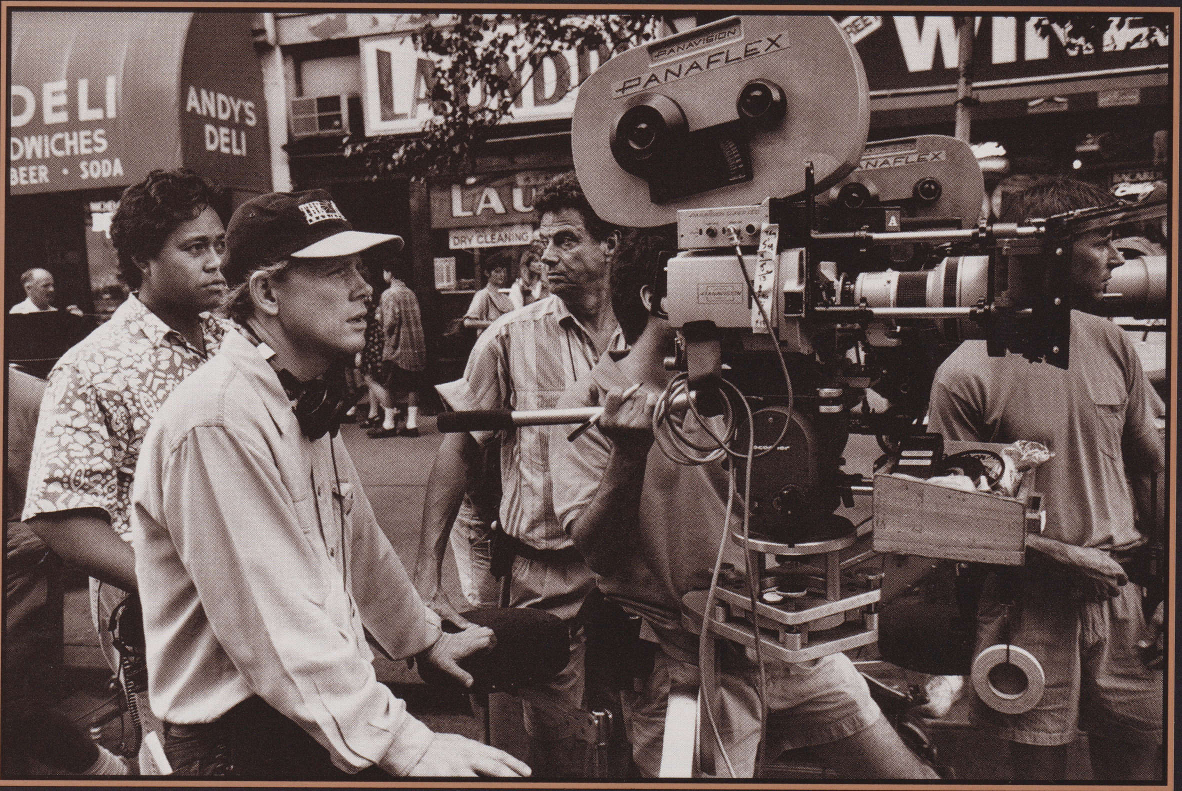
ZOOM LENS ACCESSORIES

▲ SZC	Super Zoom Control (Microforce style disc can attach to pan handle-fluid heads)	63.00	21.00
PZC	Panabar Zoom Control	57.00	19.00
ZC	Zoom Control	60.00	20.00
XZH	Zoom Heater Cover	45.00	15.00

PROJECTION LENSES

PJ-LENS	35mm Spherical Lens	66.00	22.00
APA	35mm Anamorphic Projection Attachment	66.00	22.00
PJ-STEINHEIL	70mm Projection Lens	102.00	34.00
APA70	70mm Projection Attachment	102.00	34.00

▲ = New product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DWICHES
BEER • SODA
ANDY'S DELI
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DRY CLEANING
PANAVISION
PANAFLEX

THE PAPER

Director: *Ron Howard*
Director of Photography: *John Seale, A.C.S.*
Camera Operator: *Bruce MacCallum*
First Assistant: *Chaim Kantor*
Second Assistant: *Tom O'Halloran*

Photo courtesy of: *Universal Pictures*

THE GETAWAY

Director: *Roger Donaldson*
Director of Photography: *Peter Menzies*
Camera Operator: *James Muro*
First Assistant: *Richard Mosier*
Second Assistants: *Suzanne Trucks, Brent Hershmann*

Photo by: *Merie Wallace* Courtesy of: *Universal Pictures*

35mm Spherical Lenses —— Special Purpose

MACRO LENSES

Color and performance matched to Primo Primes.

				Close Focus To:	*Weekly*	*Daily*
SM50-MF	50mm	T1.4	Close Focus Macro (2:1)	9"	228.00	76.00
SM90-MF	90mm	T2	Close Focus Macro (0.7:1)/Micro	14¾"	228.00	76.00
SM90-MF+1.4XE	127mm	T2.8	Close Focus Macro (0.5:1)/Micro	15½"	See item prices	
SM100-MF	100mm	T2	Close Focus Macro (2.5:1)	18"	228.00	76.00
SM100-MF+1.4XE	140mm	T2.8	(100mm Macro + 1.4x Primo Extender) (1.8:1)	19"	See item prices	
SM200-MF	200mm	T4	Close Focus Macro (2:1)	27"	228.00	76.00
SM200-MF+1.4XE	280mm	T5.6	(200mm Macro + 1.4x Primo Extender) (1.4:1)	28"	See item prices	

SLANT FOCUS LENSES

Bellowless lenses that allow tilting of the focus plane in any direction before or during shooting. There is no change in perspective and the effect is similar to a split diopter but with no line to hide and continuously variable power.

▲	SR24-SF	24mm	T3.5	Slant Focus with Close Focus	12"	330.00	110.00
▲	SR24-SF+1.4XE	34mm	T4.9	(24mm Slant Focus + 1.4x Primo Extender)	13"	See item prices	
	SR45-SF	45mm	T2.8	Slant Focus with Close Focus	16"	330.00	110.00
	SR45-SF+1.4XE	63mm	T4	(45mm Slant Focus + 1.4x Primo Extender)	17"	See item prices	
▲	SR90-SF	90mm	T2.8	Slant Focus with Close Focus	18"	330.00	110.00
▲	SR90-SF+1.4XE	127mm	T4	(90mm Slant Focus + 1.4x Primo Extender)	19"	See item prices	
▲	SR90-SF+2XE	180mm	T5.6	(90mm Slant Focus + 2x Extender)	19"	See item prices	

VIEW CAMERA LENS SYSTEM

Bellows lens system that allows for a variety of lens movements including: swing, shift, tilt, rise and fall, macro focusing and beyond. The following selection of lenses is compatible with the bellows package.

▲	VCLS	Camera/Lens Support Rig for Panaflex-X, Pan-Arri III, Mitchell MK II				600.00	200.00
▲	ST24	24mm	T3.5		–	150.00	50.00
▲	ST35	35mm	T2.8		–	150.00	50.00
▲	ST50	50mm	T4		–	150.00	50.00
▲	ST50+1.4XE	70mm	T5.6	(50mm + 1.4x Primo Extender)	–	See item prices	
▲	ST80	80mm	T2.8		–	150.00	50.00
▲	ST80+1/4XE	110mm	T4	(80mm + 1.4x Primo Extender)	–	See item prices	
▲	ST180	180mm	T4		–	150.00	50.00
▲	ST180+1.4XE	250mm	T5.6	(180mm + 1.4x Primo Extender)	–	See item prices	

INNOVISION LENS SYSTEM

			Weekly	Daily
▲	PSM-1	Innovision Lens System *Miniature lens system with fiber optic light source.*	2,085.00	695.00

SPECIAL PURPOSE OPTICS ACCESSORIES

▲	IP3	Inclining Prism; ⅓ Stop Loss; Widest Spherical–21mm; Widest Anamorphic–35mm "C" Series	486.00	162.00
	DIS	Distortion Attachment	111.00	37.00
	1.4XE	1.4x Primo Extender; 1-Stop Loss	120.00	40.00
	2XE	2x Lens Extender; 2-Stop Loss	84.00	28.00
	3,4,6,8,SPC2XE	2x Lens Extender; (Canon) 2-Stop Loss	84.00	28.00
	CPP	Century Precision Periscope with Panavision Mount (T4 with T2.8 taking lens)	561.00	187.00
	RDM	Mesmerizer Lens (Rotating Anamorphoser)	114.00	38.00

THE CLIENT

Director: ***Joel Schumacher***
Director of Photography: ***Tony Pierce Roberts, B.S.C.***
Camera Operator: ***David Dunlap***
Steadicam Operator: ***Bob Gorelick***
First Assistant: ***Jeff Hand***
Second Assistants: ***Brian Osmond, John McAleer***

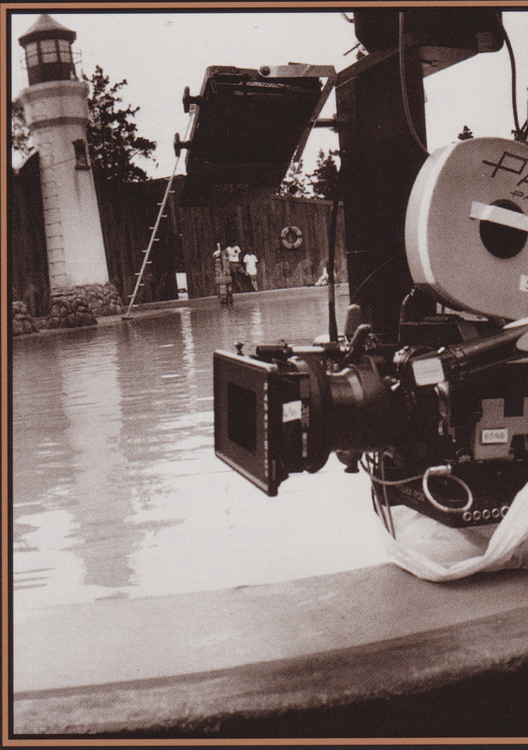
Photo by: *Demme Todd* Courtesy of: *Warner Bros., New Regency Films*

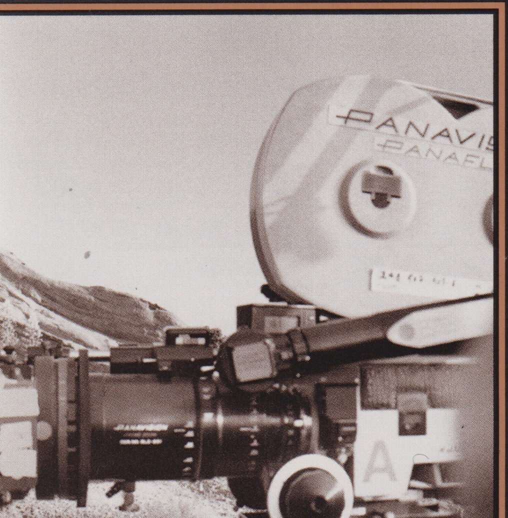
▲ = New product

FREE WILLY

Director: *Simon Wincer*
Director of Photography: *Robbie Greenberg, A.S.C.*
Camera Operator: *Conrad Hall, Jr.*
First Assistant: *Dan Gold*
Second Assistant: *Matt Alper*

Photo courtesy of: *Warner Bros.*





THE FLINTSTONES

Director: *Brian Levant*
Director of Photography: *Dean Cundey, A.S.C.*
Camera Operator: *Ray Stella, S.O.C.*
First Assistant: *Clyde Bryan*
Second Assistant: *Yolanda Wipfli*
Loader: *Steve Sfetku*

Photo courtesy of: *Universal Pictures*

35mm Anamorphic Lenses

PRIMO SERIES LENSES

				Close Focus To:	Weekly	Daily
AL35	35mm	T2		3½'	387.00	129.00
AL40	40mm	T2		3½'	387.00	129.00
AL50	50mm	T2		3½'	387.00	129.00
AL75	75mm	T2		3½'	387.00	129.00
AL100	100mm	T2		3½'	387.00	129.00
AL100+1.4XE	140mm	T2.8	(100mm Primo Anamorphic + 1.4x Primo Extender)	3'7"	See item prices	
1.4XE		1.4x Primo Extender (minus 1 full stop) *Negligible image quality degradation. Used on various lenses as shown.*			120.00	40.00

"E" SERIES COLOR MATCHED AUTO PANATAR LENSES

E28	28mm	T2.3	(requires special matte box)	5'	339.00	113.00
E35	35mm	T2		5'	339.00	113.00
E40	40mm	T2		5'	339.00	113.00
E50	50mm	T2		5'	339.00	113.00
E75	75mm	T2		5'	339.00	113.00
E85	85mm	T2		5'	339.00	113.00
E100	100mm	T2.3		5'	339.00	113.00
E180	180mm	T2.8		4½'	417.00	139.00
E180+1.4XE	252mm	T4	(180mm E-Series + 1.4x Primo Extender)	4'7"	See item prices	

"E" Series Close Focusing Lenses (minimum focus 3').

"C" SERIES LENSES

C30	30mm	T3		4'	267.00	89.00
C35-2.3	35mm	T2.3		2¾'	267.00	89.00
C40	40mm	T2.8		2½'	267.00	89.00
C50	50mm	T2.3		2½'	267.00	89.00
C75	75mm	T2.5		4½'	267.00	89.00
C100	100mm	T2.8		4½'	267.00	89.00
C150	150mm	T3.5		5'	267.00	89.00
C180	180mm	T2.8		7'	366.00	122.00
C180+1.4XE	252mm	T4	(180mm "C" Series + 1.4x Primo Extender)	7'1"	See item prices	

SUPER (HIGH) SPEED LENSES

				Close Focus To:	Weekly	Daily
HS24	24mm	T1.6	with 6.6 x 6.6 Filter Holder	6'	357.00	119.00
HS35	35mm	T1.4		4½'	270.00	90.00
HS50T1.1	50mm	T1.1		4'	291.00	97.00
HS50	50mm	T1.4		4'	270.00	90.00
HS55	55mm	T1.4		4'	270.00	90.00
HS75	75mm	T1.8		4½'	333.00	111.00
HS100	100mm	T1.8		4½' – 5'	333.00	111.00

TELEPHOTO LENSES

C360	360mm	T4		5½'	384.00	128.00
AN400	400mm	T3.5	Nikon	9'	417.00	139.00
CN400	400mm	T3	Canon	8'	417.00	139.00
AN600	600mm	T4	Nikon	13'	897.00	299.00
CN600	600mm	T4.5	Canon	27'	417.00	139.00
C800	800mm	T5.6	Canon	15'	405.00	135.00
C1000	1000mm	T5.6		22'	417.00	139.00
CN1200	1200mm	T6	Canon	27'	477.00	159.00
1000/2000	2000mm	T9		30'	477.00	159.00

ZOOM LENSES

All Panavision Zoom lenses are equipped with a silent high torque motor and include zoom control and cables.

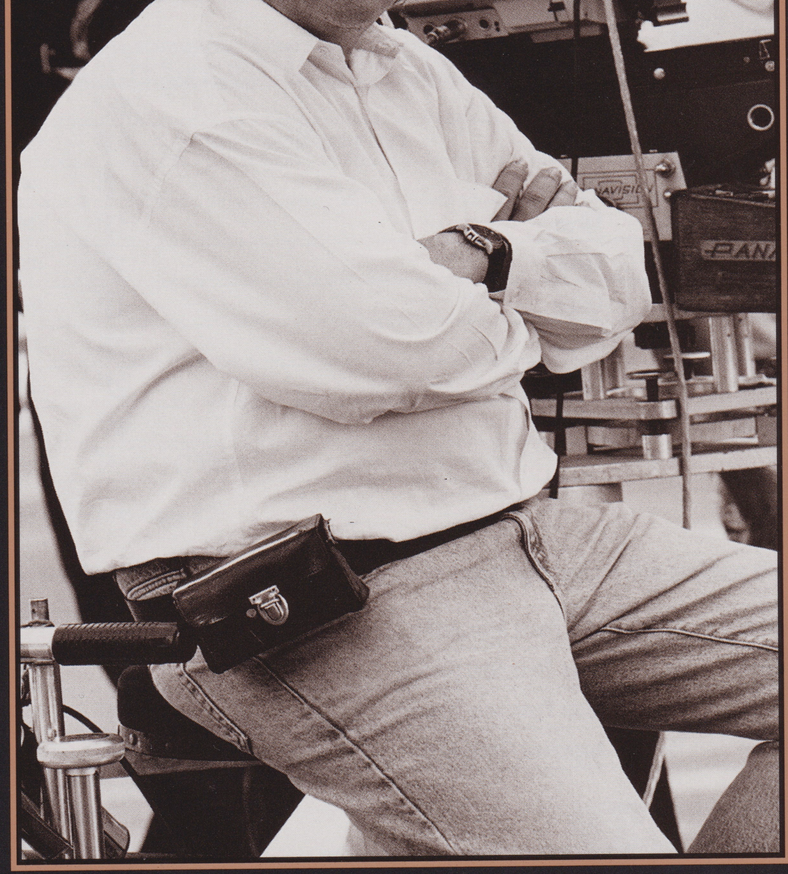
▲ ALZ11	48/550mm	T4.5	11:1 Primo Anamorphic Zoom	4'1"	1,059.00	353.00
Z5A	40/200mm	T4.5	Super Panazoom (Cooke)	2½'	612.00	204.00
Z10A	50/500mm	T5.6	Super Panazoom (Cooke)	5½'	612.00	204.00
APZA	50/500mm	T5.6	Angenieux/Panavision	5½'	438.00	146.00

SPECIAL PURPOSE LENSES

▲ AR90-SF	90mm	T4.3	Anamorphic Slant Focus with Close Focus	17"	387.00	129.00
AP	25mm	T2.5	Wide Angle Distortion Lens	5'	285.00	95.00
MAP55	55mm	T2.5	Close Focus	10"	285.00	95.00
IAP	100mm	T2.8	Insert or Process	4½'	285.00	95.00
MAP150	150mm	T3.2	Macro Panatar 1.5:1	17"	459.00	153.00
MAP200	200mm	T3.2	Macro Panatar 2:1	18"	459.00	153.00
MAP250	250mm	T3.2	Macro Panatar 2:1	29"	459.00	153.00

In addition, a variety of printer lenses for virtually any combination of formats are available. Panavision builds many special, usually customer requested, lens setups every year. Please inquire about these services.

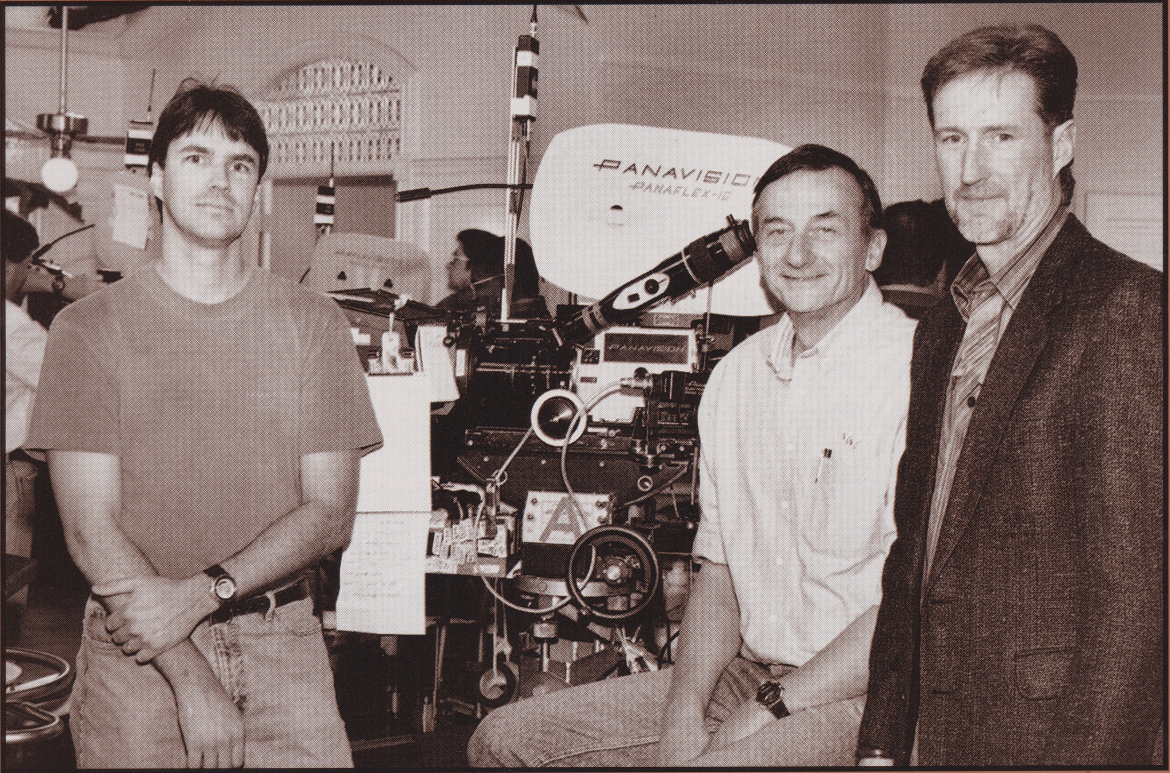
▲ = New product



TRUE ROMANCE

Director: *Tony Scott*
Director of Photography: *Jeff Kimball*
Camera Operators: *Mike Genne, Greg Lundesgaard*
First Assistants: *Kenny Nishino, Dan Gold*
Second Assistants: *Dennis Seawright, Nick Shuster*
Loader: *Frank Parrish*

Photo courtesy of: *Morgan Creek, Warner Bros.*


PANAVISION
PANAFLEX-16
PANAVISION

HEARTS AFIRE

Director of Photography: ***Jim Roberson***
Camera Operator: ***Don Gazzaniga***
First Assistant: ***Frank Godwin***

Panaflex-16 Camera System

Studio quality camera with all the sophistication of the Panaflex system. Extremely quiet. Crystal controlled at all speeds from 4–50 fps. Pin registered, "in-shot" shutter adjustment 50–200 degrees, left eye/right eye viewing, short and long adjustable eyepieces.

Includes:			*Weekly*	*Daily*
	2	**24 volt Batteries**		
ELM4	2	400' Magazines with LCD footage/meter indicators		
ELEPX	1	Extension Eyepiece		
ELEPP	1	Standard Eyepiece		
MB	1	4 x 5 Studio Matte Box		
GG	1	Ground Glass		
MFF16GB	1	Modular Follow Focus *The ultimate follow focus: very smooth action, zero backlash, allows focus from either side of the camera. For use with the Panaflex 16 camera.*		
FFX	1	Follow Focus Extension		
FXHL	1	Follow Focus Handle		
ELCM/PCOB	1	Sliding Base Plate		
IRISROD	3	Pairs of Iris Rods		
CBLE-24HP	3	24V Power Cables		
EPL	1	Eyepiece Leveler		
ELSR	1	Shoulder Rest		
ELRHG	1	Right Hand Grip		
LHG	1	Left Hand Grip		
ELRB-V	1	Iris Rod Bracket		
			1,059.00	353.00

VIDEO

ELCCD-C	Super CCD Video Assist with 2 Power Cables	609.00	203.00

MAGAZINES

ELM4	400' Magazine	78.00	26.00
ELM12	1200' Magazine	108.00	36.00
ELMHC4	400' Heater Barney	42.00	14.00

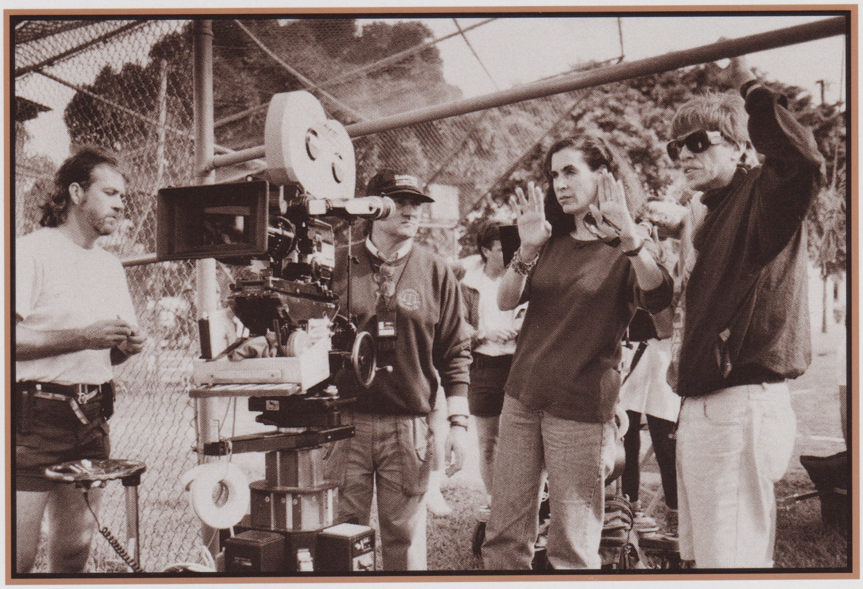
PANAFLEX 16 ACCESSORIES

See page 20 for synchronizer boxes for filming video and computer screens, interlocking to projectors, etc.

		Weekly	*Daily*
ELWP-L, ELWP-S	Dust/Moisture Cover	45.00	15.00
ELUB	16mm Utility Base	42.00	14.00
▲ PUAB	Panavision Universal Autobase *No tools required for quick setup. Accepts all Panaflex cameras including the Panaflex 16 and 65mm handheld cameras with a variety of magazine configurations. Also accepts Arri III.*	165.00	55.00
EPCLAH	Panaclear Auxiliary Carrying Handle	15.00	5.00
MFF2SK	Modular Follow Focus Two-Speed Knob *Add on to the modular follow focus, allows a choice of either "high speed"or normal speed focus ratio.*	24.00	8.00

Note: Many 35mm Panaflex accessories are compatible with the Panaflex 16 Camera System.

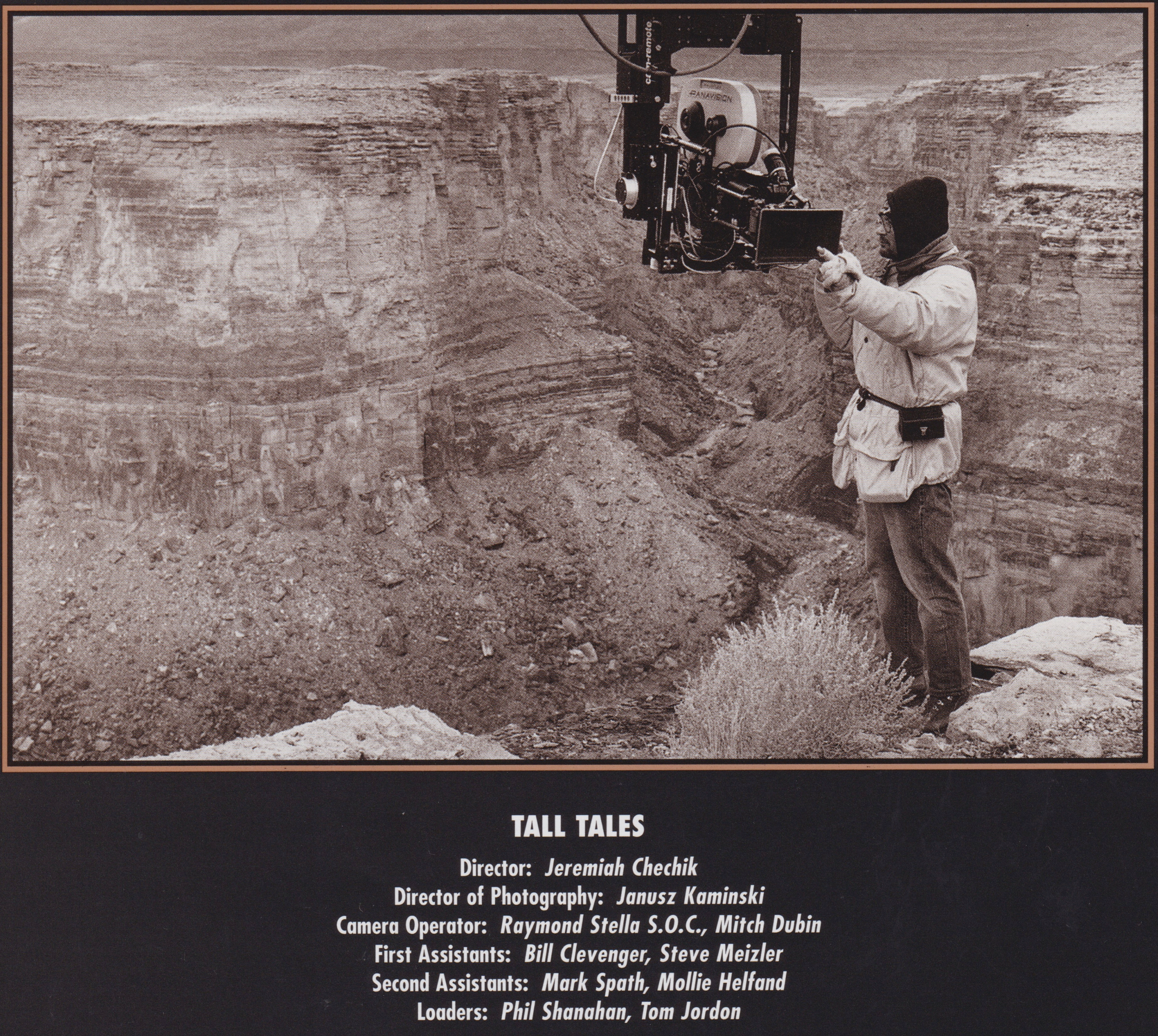
16mm equipment rental is supplied by Panavision Hollywood: 213-464-3800



WRESTLING ERNEST HEMINGWAY

Director: ***Randa Haines***
Director of Photography: ***Lajos Koltai, A.S.C.***
Camera Operator: ***Michael St. Hilaire***
First Assistant: ***Bill McConnell***
Second Assistant: ***Peter Farber***

Photo by: *Jon Farmer* Courtesy of: *Warner Bros.*



TALL TALES

Director: *Jeremiah Chechik*
Director of Photography: *Janusz Kaminski*
Camera Operator: *Raymond Stella S.O.C., Mitch Dubin*
First Assistants: *Bill Clevenger, Steve Meizler*
Second Assistants: *Mark Spath, Mollie Helfand*
Loaders: *Phil Shanahan, Tom Jordon*

Photo by: *Melinda Sue Gordon* Courtesy of: *Disney*

BLANKMAN

Director: ***Mike Binder***
Director of Photography: ***Tom Sigel***
Camera Operator: ***Scott Sakamoto***
First Assistant: ***Rob Carlson***
Second Assistant: ***Keith Smith***

Photo courtesy of: *Columbia Pictures*

16mm Optics

16MM PRIMES

			Close Focus To:	Weekly	Daily
16SZ8	8mm	T2.3	2'	150.00	50.00
16SZ9.5	9.5mm	T1.3	1½'	120.00	40.00
16SZ12	*12mm	T1.3	2'	120.00	40.00
16SZ16	*16mm	T1.3	2'	120.00	40.00
16SZ25	*25mm	T1.3	1¾'	120.00	40.00
16SZ35	*35mm	T2	2'	96.00	32.00
16SZ50	*50mm	T2	2'	96.00	32.00
16SZ85	*85mm	T2	4'	96.00	32.00
16SZ100	*100mm	T2	4'	96.00	32.00
16SZ135	*135mm	T2	4½'	159.00	53.00
SPC300	*300mm	T2.8 Canon	10'	372.00	124.00
SPC400	*400mm	T2.8 Canon	15'	372.00	124.00

16MM ZOOM LENSES

All Panavision Zoom lenses are equipped with a silent high torque motor and include zoom control and cables.

▲	16ZM8X	*8/64mm	T2.4	Canon/Panavision	2'	450.00	150.00
▲	16ZM12X	*11.5/138mm	T2.5	Canon/Panavision	3½'	675.00	225.00
▲	16ZM12AX	*11.5/138mm	T2.3	Angenieux/Panavision	5'	675.00	225.00
	16ZM5.5X	9/50mm	T2.5	Cooke/Panavision	1½'	270.00	90.00
	16ZM10X	10/100mm	T2	Zeiss/Panavision	5'	270.00	90.00
	16ZM3X	10/30mm	T1.6	Cooke/Panavision	2'4"	375.00	125.00
	16ZM5X	*10.4/52mm	T2.8	Cooke/Panavision	1½'	291.00	97.00

** Denotes lenses which cover Super-16 format.*

▲ = New product

"MY LIFE"
SCENE
165 B
TAKE
6
BRUCE JOEL RUBIN
PETER JAMES A.C.S.
48-120 FPS
4·2·93
#2

MY LIFE

Director: ***Bruce Joel Rubin***
Director of Photography: ***Peter James***
Camera Operator: ***Mike Ferris***
First Assistant: ***Josh Bleibtreu***
Second Assistant: ***Dan Teaze***
Loader: ***Steve Sfetku***

Photo courtesy of: *Columbia Pictures*

65mm PFX System 65 Studio Camera System

65mm Studio motion picture camera. 26 db quiet microprocessor controlling shutter 50-180 degrees, full-fitting registration pins with guide blocks on one side of film, crystal controlled speeds 4-32 fps forward only, bright color corrected viewfinder and panaglow green or red.

Includes:			*Weekly*	*Daily*
	3	**24 volt Batteries**		
65M	1	Panaflex Motor 4-32 fps *(All speeds crystal capability – 24 volt power)*		
65SPLI	1	System 65 Flexlight		
FSE/MBF	1	Sunshade Extension		
65MB	1	Matte Box		
GG	1	Ground Glass		
65IRB	1	Iris Rod Bracket		
IRISROD	3	Pairs of Iris Rods		
FR	1	4.5 Filter Ring		
65LPC	1	Lens Port Cover		
CBLE-24H/P	2	Heater/Power Cables		
CBLE-24H	2	Camera Heater Cables		
			2,400.00	800.00

65SM10	1000' Magazine	138.00	46.00
65SM5	500' Magazine	108.00	36.00
65SCCD	SCCD Video Assist	897.00	299.00
65PH-S	Super Panahead	378.00	126.00
3VM	Portable B&W Monitor 3"	75.00	25.00
RSB	Digital Remote Switch (Tacho)	54.00	18.00
65RFTR	Remote Focus & T-Stop Model II	357.00	119.00
24GC27A	Battery with Built-in Charger	66.00	22.00
65SFF	65mm Studio Super Follow Focus	45.00	15.00
65SFSE	65mm Studio Sunshade Extension	33.00	11.00
65SHV	65mm Studio Panafinder	129.00	43.00
65SPLI	65mm Studio Flex Light	27.00	9.00
65SUB	65mm Studio Utility Base	42.00	143.00
65SWP-L, 65SWP-S	65mm Studio Weather Protector (Long or short)	45.00	15.00
65PRS	65mm Studio Panafade Remote Shutter	159.00	53.00

65mm HR Spinning Mirror Reflex Camera System

4-72 fps, crystal controlled, fixed 170 degree shutter, full fitting registration pins, can do time lapse or time exposure, bright fixed viewfinder plus video assist. (Please note: 36 volt batteries are required to run 4-72 fps; 24 volt batteries are required to run 4-48 fps.)

Includes:			*Weekly*	*Daily*
	3	**24 volt Batteries**		
65M5	2	500' Magazines		
65SSFF	1	Follow Focus Unit		
65MB	1	Matte Box		
GG	1	Ground Glass		
CBLE-24H/P	2	Heater/Power Cables		
			2,001.00	667.00

MR. JONES

Director: ***Mike Figgis***
Director of Photography: ***Juan Ruiz-Anchia, A.S.C.***
Camera Operator: ***Pernell Tyrus***
First Assistant: ***Brian Sullivan***
Second Assistants: ***Greg Rhineer, Heather Page***
Loader: ***Paul Plannette***

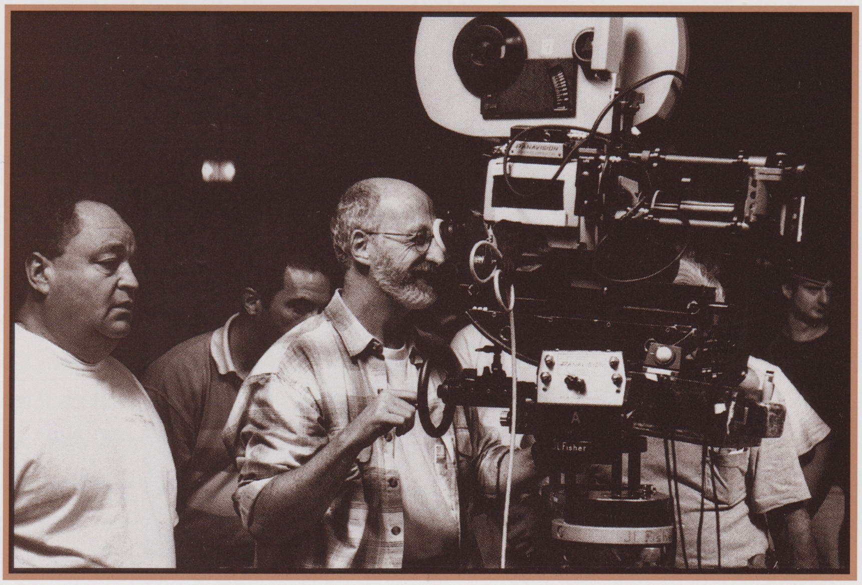
Photo by: *Peter Sorel* Courtesy of: *TriStar Pictures*

Bold = Added to package

65mm High Speed Handheld Pellicle Reflex Camera System

The Cinematographer's choice when maneuverability and high speed (4-72 fps) with reflex viewing are required. 170 degrees fixed shutter angle . Convertible to Steadicam mode.

Includes:			*Weekly*	*Daily*
	2	**24 volt Batteries**		
65M	1	Panaflex Motor 4-72 fps *(All speeds crystal capability – 36 volt power)*		
65M5	2	500' Magazines		
65SSFF	1	Follow Focus Unit		
65MB	1	Matte Box		
GG	1	Ground Glass		
65PM	2	Partial Mirrors		
65IRB	1	Iris Rod Bracket		
IRISROD	3	Pair of Iris Rods (6", 9", 12")		
FR	1	Series 9 Filter Ring or 4½ Ring		
65LPC	1	Lens Port Cover		
CBLE-24H/P	2	Heater/Power Cables		
CBLE-24H	2	Camera Heater Cables		
			1,500.00	500.00



PELICAN BRIEF

Director: ***Alan Pakula***
Director of Photography: ***Steven Goldblatt, A.S.C.***
Camera Operator: ***Dick Mingalone***
First Assistant: ***Vincent Gerardo***
Second Assistant: ***William Gerardo***

Photo by: *Ken Regan* Courtesy of: *Warner Bros.*

65mm Handheld Pellicle Reflex Camera System

A lightweight, versatile, reflex camera intended for normal speed (4-32 fps) handheld filming. The Panavision HHR is frequently used for plates and effects work. 170 degrees fixed shutter angle .Convertible to Steadicam mode.

Includes:			*Weekly*	*Daily*
	2	**24 volt Batteries**		
65M	1	Panaflex Motor 5-30 fps *(24 and 30 fps crystal capability – 24 volt power)*		
65M5	2	500' Magazines		
65SSFF	1	Follow Focus Unit		
65MB	1	Matte Box		
GG	2	Ground Glass		
65PM	2	Partial Mirrors		
65IRB	1	Iris Rod Bracket		
IRISROD	3	Pair of Iris Rods (6", 9", 12")		
FR	1	Series 9 Filter Ring		
65LPC	1	Lens Port Cover		
CBLE-24H/P	2	Heater/Power Cables		
CBLE-24H	2	Camera Heater Cables		
			1,200.00	400.00

BEETHOVEN'S 2ND

Director: ***Rod Daniel***
Director of Photography: ***Bill Butler***
Camera Operator: ***Walt Fraser***
First Assistant: ***Alex Touyarot***
Second Assistants: ***Dylan Gross, Craig Asato***
Loader: ***David Garden***
Courtesy of: *Universal Pictures*

Bold = Added to package

65mm Camera Accessories

		Weekly	Daily
65SHV*	65mm Panafinder	129.00	43.00
65VF	65mm Mitchell Viewfinder	45.00	15.00
65FF	Follow Focus	30.00	10.00
65FP	65mm Frame Punch	39.00	13.00
65LHR	Left Hand Grip–HR Camera	33.00	11.00
65PMSC	65mm Preston Motor Speed Control	213.00	71.00
65EPI	65mm Medium Eyepiece	198.00	66.00
65MMRC-L, 65MMRC-S	65mm Rain Cover (Long or short)	45.00	15.00
65IRB	65mm Iris Rod Bracket	NC	NC
65TP	Tilt Plate	NC	NC
65HHDB	65mm Camera Mount (handheld dovetail base)	NC	NC
65LS	65mm Lens Shade	NC	NC
6510MA	65mm HR 1000' Magazine Adapter	NC	NC
65THT	65mm HR Inverted Magazine Adapter	NC	NC
65FFD	65mm Flange Focal Depth Set	33.00	11.00
65CCD	Video Assist B&W (for 65HR Camera)	477.00	159.00
65CCD-C	Video Assist Color (for 65HR Camera)	678.00	226.00
65CCD-P	Eyepiece Video Assist (for Pellicle Camera only)	477.00	159.00
RSB	Digital Remote Switch (Tacho) *On/off remote switch with digital display of film speed and film footage.*	54.00	18.00

BATTERIES AND CHARGERS

24GC27A	24 volt Block Battery with built-in Charger (Studio), 27 amp hours	66.00	22.00
24GC17A	24 volt Block Battery with built-in Charger, 17 amp hours	66.00	22.00
24LA10	24 volt LA Battery with built-in Charger, 10 amp hours	66.00	22.00
B4C	24 volt Belt Battery with built-in Charger	66.00	22.00
36NC15	36 volt Nicad (Block or Pack)	39.00	13.00
BC36	36 volt Charger	39.00	13.00
24CA12	Miniblock Battery with built-in Charger, 12 amp hours	66.00	22.00
24NC15	24 volt Block Battery with built-in Charger, 15 amp hours	33.00	11.00

Cold weather influences the performance of certain batteries. Please consult your Panavision representative.

MAGAZINES

		Weekly	Daily
65MF10	65mm 1000' Flanged Magazine	87.00	29.00
65M10	65mm 1000' Magazine	87.00	29.00
65M5	65mm 500' Magazine	63.00	21.00
65M4	65mm 400' Magazine	63.00	21.00
65M2	65mm 250' Magazine	51.00	17.00
65HC, 65HC5, 65HC4	65mm Magazine Heater Cover (1000', 500', 400')	45.00	15.00

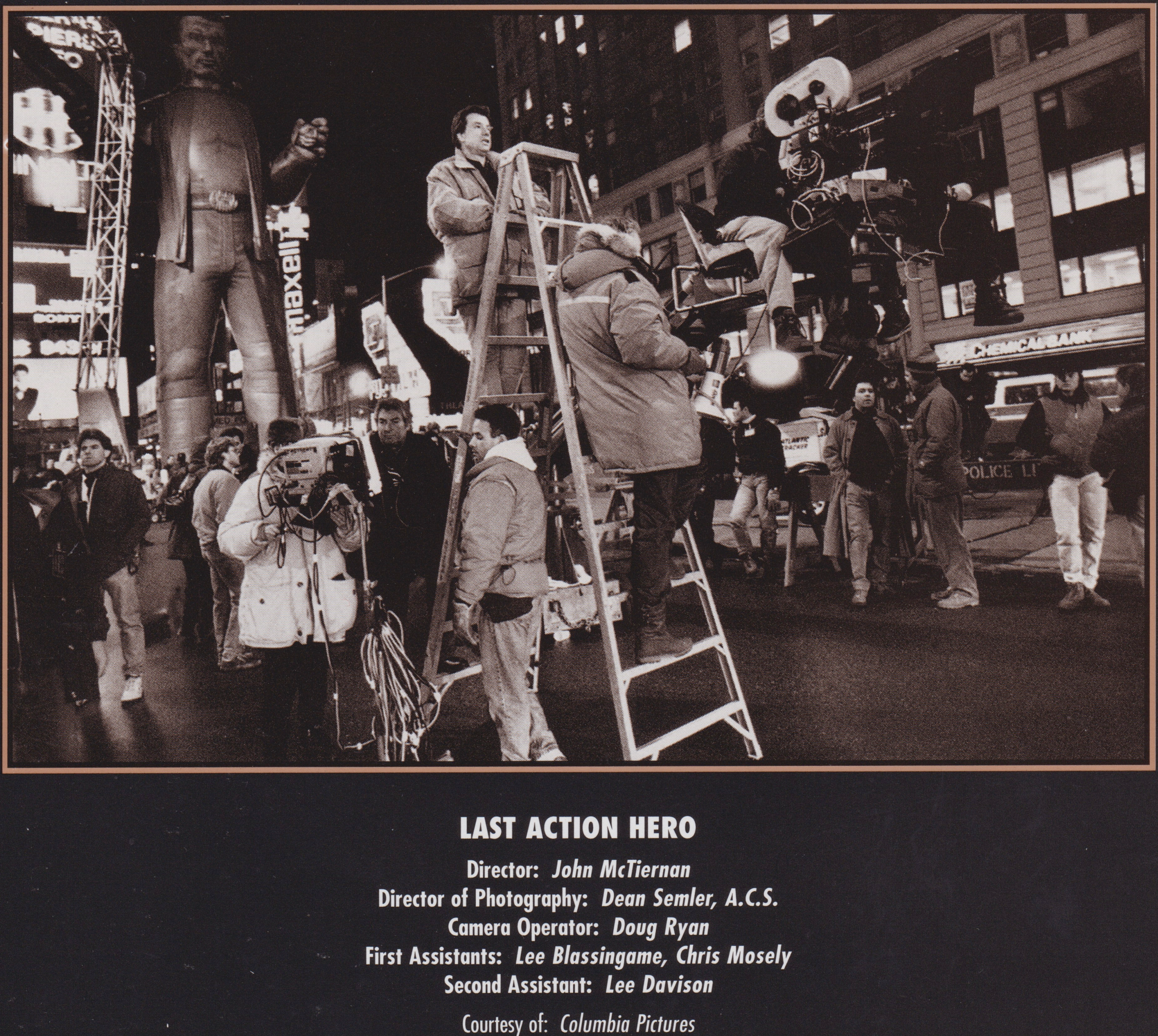
TRIPODS

PTP-S, PTP-B	Panapod (Standard or Baby)	45.00	15.00
MHH	Mitchell Hi-Hat/Lo-Hat	18.00	6.00
PMS	Spreader	21.00	7.00

PANAVISION

LAW & ORDER

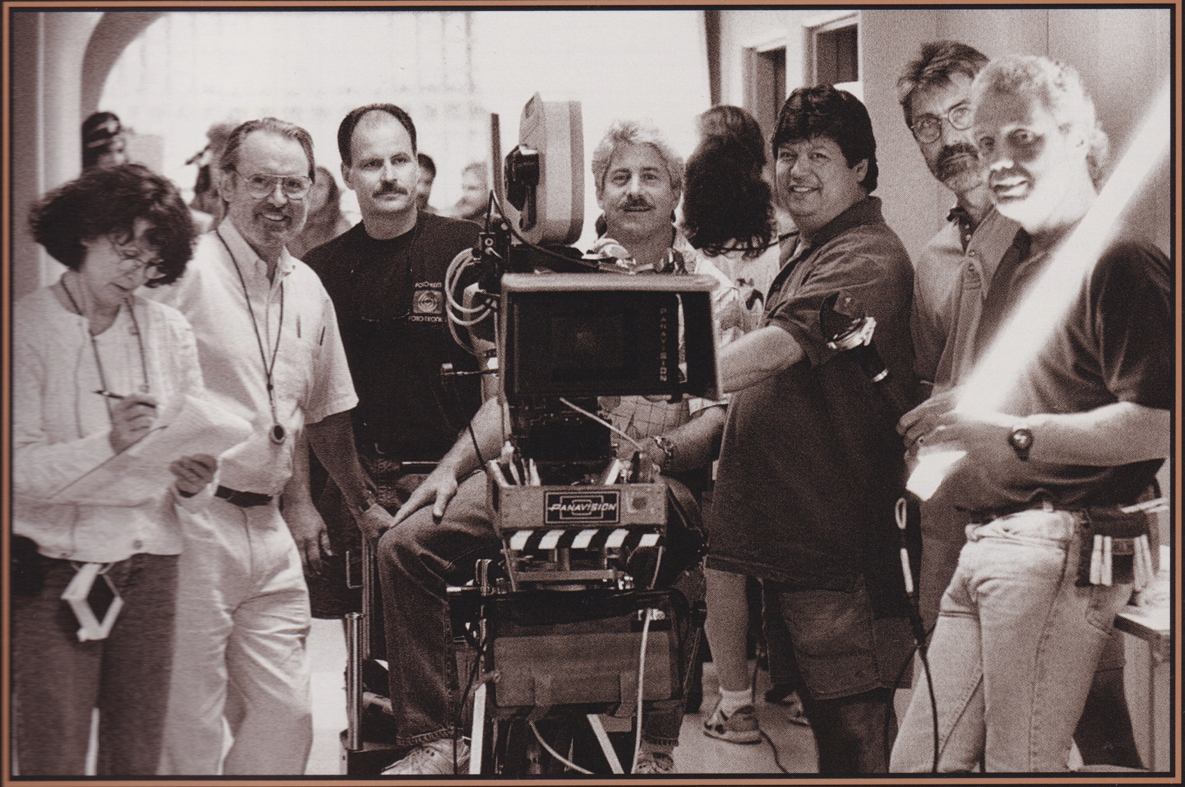
Director of Photography: ***Constantine "Gus" Makris***
Camera Operator: ***Christopher Misiano***
First Assistant: ***Timothy Gannon***
Photo by: *K.C. Bailey* Courtesy of: *Universal TV*



LAST ACTION HERO

Director: ***John McTiernan***
Director of Photography: ***Dean Semler, A.C.S.***
Camera Operator: ***Doug Ryan***
First Assistants: ***Lee Blassingame, Chris Mosely***
Second Assistant: ***Lee Davison***

Courtesy of: *Columbia Pictures*



NAKED GUN 33⅓

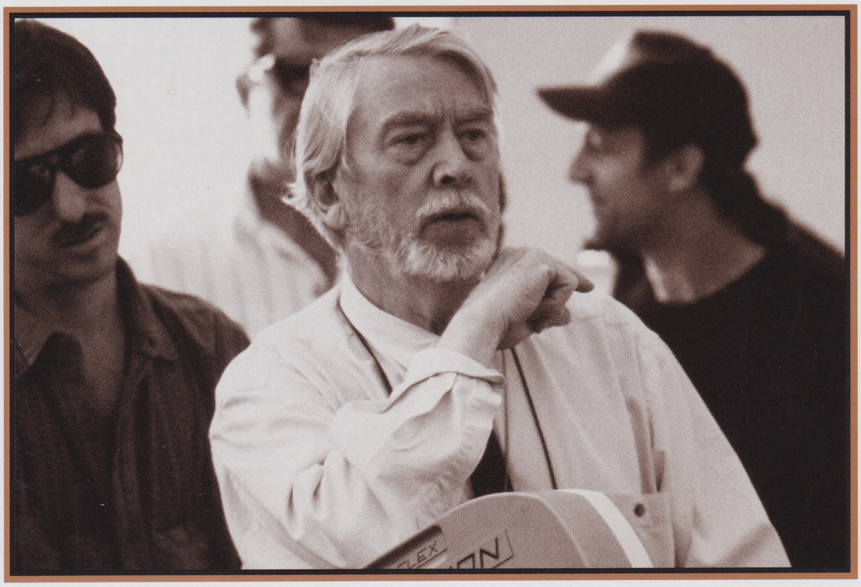
Director: ***Peter Segal***
Director of Photography: ***Robert Stevens***
Camera Operator: ***Alan Easton***
First Assistant: ***Bobby St. Martin***
Second Assistant: ***Richie Stevens***

Photo courtesy of: *Paramount Pictures*

65mm System 65 Lenses

Low distortion wide aperture lenses providing high contrast and resolution with good field illumination.

				Close Focus To:	*Weekly*	*Daily*
65S24	24mm	T3.5		1½'	369.00	123.00
65S35	35mm	T2.8		1½'	369.00	123.00
65S40	40mm	T2.8		1½'	369.00	123.00
65S50	50mm	T2		2'	369.00	123.00
65S75	75mm	T2		2¼'	369.00	123.00
65S100	100mm	T2		2'	369.00	123.00
65S150	150mm	T2		4'	369.00	123.00
65S180	180mm	T2		5½'	369.00	123.00
65SPC300	300mm	T2.8	Canon	10'	387.00	129.00
65SPC400	400mm	T2.8	Canon	12'	387.00	129.00
65SPC800	800mm	T5.6	Canon	40'	387.00	129.00
65ZM6X	30/360mm	T6.3	6:1 Zoom	8'	411.00	137.00
SR45-SF	45mm	T2.8	Slant Focus	16"	330.00	110.00
SR45-SF+1.4XE	63mm	T4	(45mm Slant Focus + 1.4x Primo Extender)	17"	See item prices	
65S1.4X		1.4x Primo Extender (minus 1 full stop) *Negligible image quality degradation.Used on various lenses.*			120.00	40.00



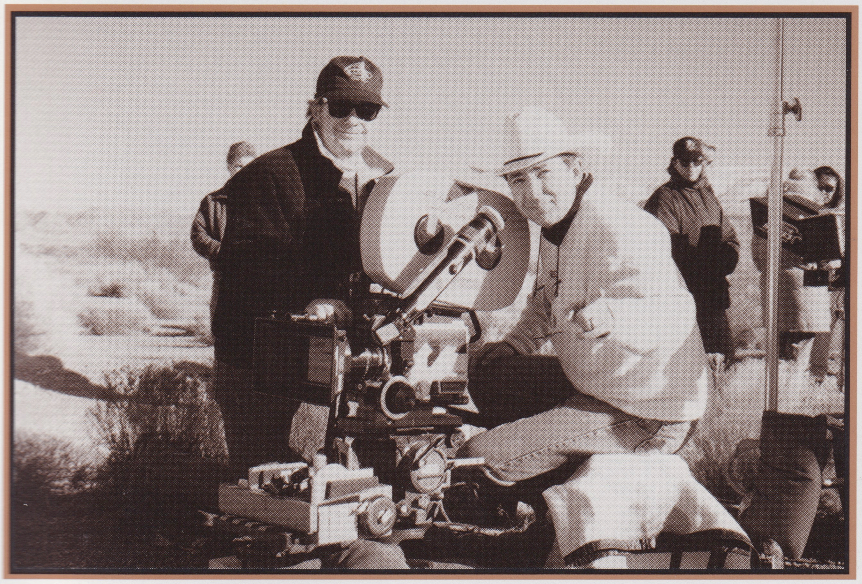
COPS & ROBBERSONS

Director: ***Michael Ritchie***
Director of Photography: ***Gerry Fisher, B.S.C.***
Camera Operators: ***Billy Roe, Tom Connole***
First Assistants: ***Jeff Clark, Joe Ponticelle***
Second Assistants: ***Mark Anderson, Scott Spiegel***

Photo by: *Sidney Baldwin* Courtesy of: *TriStar Pictures*

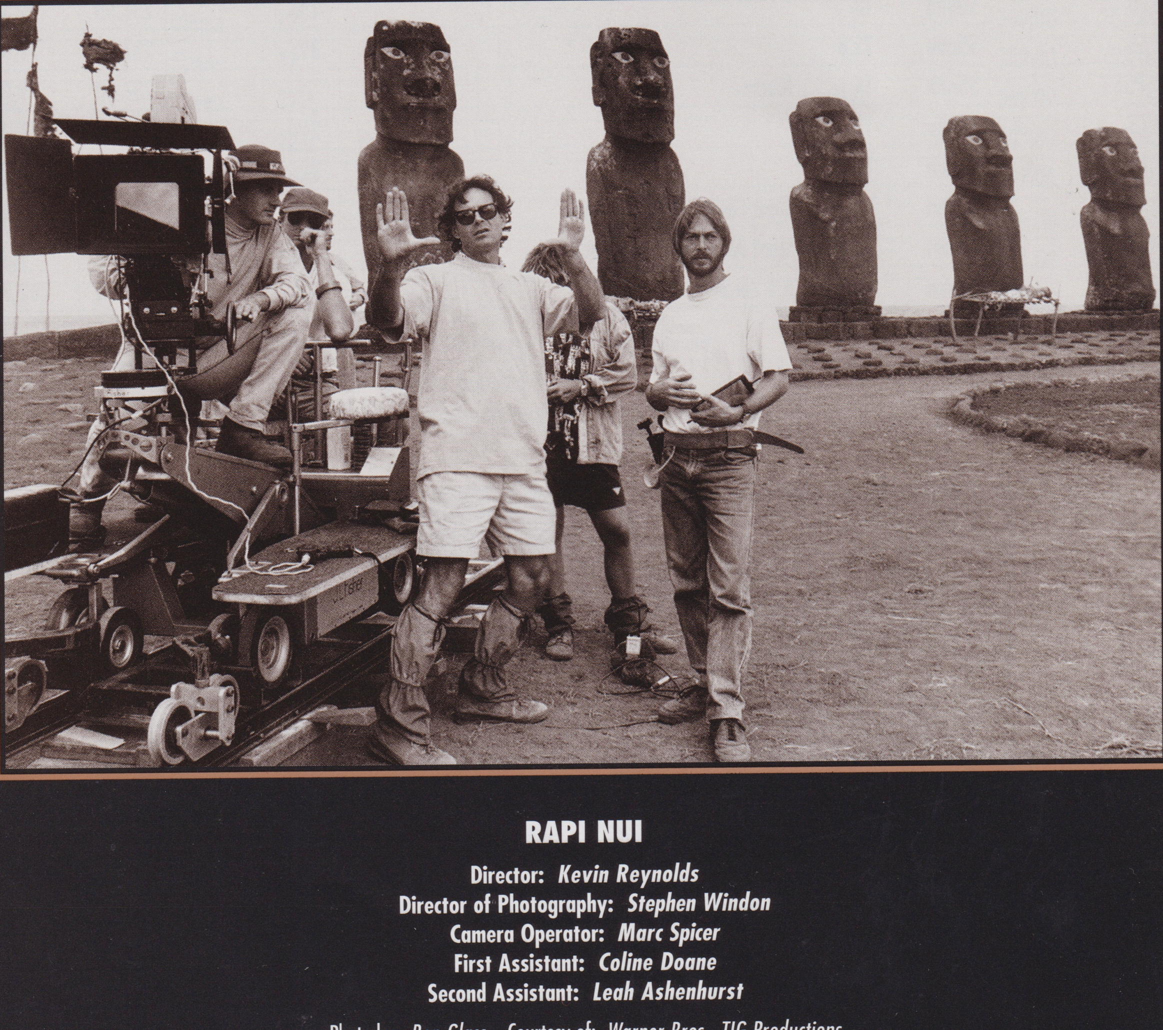
65mm Spherical Lenses

				Close Focus To:	Weekly	Daily
65SP19	19mm	T4.5	Fisheye	1½'	282.00	94.00
65SP21	21mm	T3		1½'	282.00	94.00
65MSF24	24mm	T3.5	Fisheye	1'	282.00	94.00
65SP28	28mm	T3		3'	282.00	94.00
65SP35	35mm	T2.8		1¾'	237.00	79.00
65SP40	40mm	T2.8		2	237.00	79.00
65SP50	50mm	T2		2½'	237.00	79.00
65SP55	55mm	T2.8		3½'	237.00	79.00
65MSP55	55mm	T4	Macro	11"	237.00	79.00
65SP75	75mm	T2.3		2¾'	237.00	79.00
65SP100	100mm	T2.5		3½'	237.00	79.00
65S35R	35mm	T2.8	Slant Focus with Close Focus	1'	270.00	90.00
65S45R	45mm	T2.8	Slant Focus with Close Focus	16"	270.00	90.00
65ZM6X	60/360mm	T6.3	6:1 Zoom	8'	546.00	182.00



SPRITE

Director/Director of Photography: ***Barry Sonnenfeld***
First Assistant: ***Brian Armstrong***
Second Assistant: ***Harry Zimmerman***



RAPI NUI

Director: ***Kevin Reynolds***
Director of Photography: ***Stephen Windon***
Camera Operator: ***Marc Spicer***
First Assistant: ***Coline Doane***
Second Assistant: ***Leah Ashenhurst***

Photo by: *Ben Glass* Courtesy of: *Warner Bros., TIG Productions*

CHAPMAN
56
72 286N 3

STARGATE

Director: *Roland Emmerich*
Director of Photography: *Walter Lindenlaub*
Camera Operators: *Peter Krause, Chris Haarhoff*
First Assistants: *Gary Scott, Colin Anderson*
Second Assistants: *Gary L. Camp, Matthew Curry*
Loaders: *Rob Dunne, John Weiss*
Camera Technician: *Mark Coyne*

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Behind every new item there is a success story. We have located camera accessories from around the world that are in constant demand, as well as a complete inventory of expendables essential to film production. You'll find a one-stop shop operation located on our camera rental floor.

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Panahead Front Box Bracket	15.00
Locking Panahead Bracket	50.00
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French Flag Maglite Bracket	60.00
French Flag Rod Bracket	75.00
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Rabone Chesterman Metal Tape Measure	30.00
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L Handle	64.95
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Sharpies, extra fine point (black)	1.00
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Dust Off Plus (nozzle)	24.95
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2" Gaffers Tape	12.00
2" Paper Tape	6.00
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Prices subject to change.

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Director of Photography: ***Michael Scott***
Camera Operators: ***Gearey McCloud, Simon Jayes***
First Assistant: ***Rocker Meadows***

PANAVISION

ACCOUNTING FOR THE SCREAM

Director: ***Austin Smithard***
Director of Photography: ***Raymond Stella***
Camera Operator: ***George Loomis***
First Assistant: ***Greg St. Johns***
Photo by: *Mr. Wiley*

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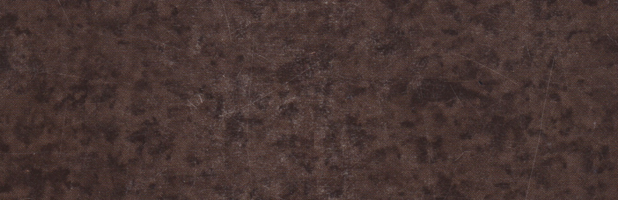
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